PARTS CATALOG

GETINGE

833HCMC Steam Sterilizer

Getinge USA, Inc.
1777 East Henrietta Road
Rochester, New York 14623-3133 USA
Phone: (800) 950-9912
Facsimile: (800) 950-2570

PARTS CATALOG 61301609627
Rev A (4/5/04)

ORDERING

For ordering information concerning parts listed in this Catalog, or for questions regarding warranty service and support, contact the company at:

Getinge USA, Inc.
1777 East Henrietta Road
Rochester NY 14623-3133

Telephone: (800) 950-9912
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Section 1 Body Hardware Package

This section contains an illustrated parts breakdown for the Body Hardware Package:

- M/C4233, 42"
- M/C 4233, 76"

SYBRON Medical Products Division
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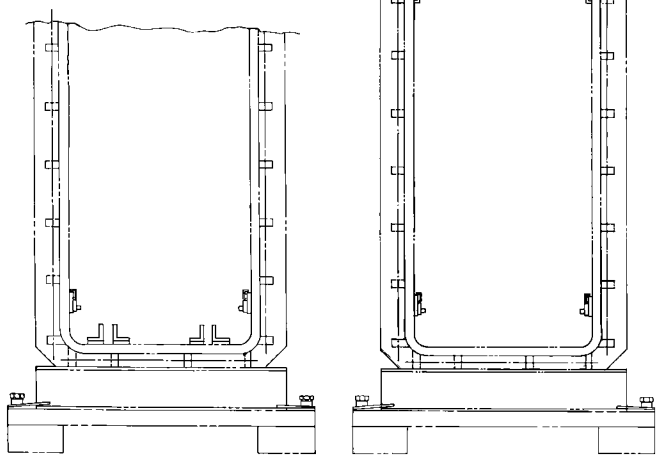
87285 (DRAWING PART NO)

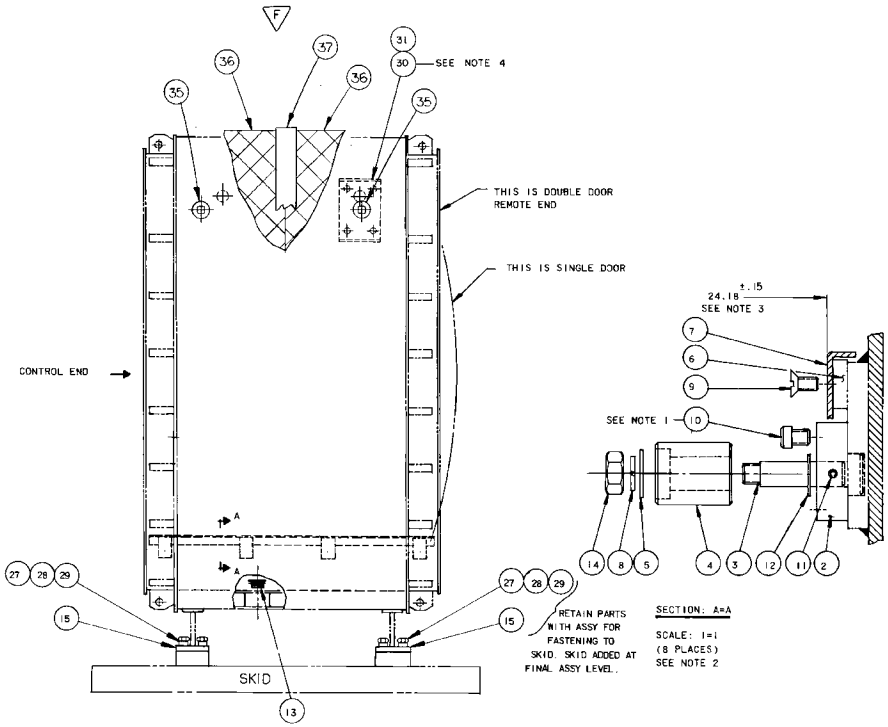
NOTES: 1) APPLY "LED-PLATE ANTI-SEIZE COMPOUND NO. 250" PART NUMBER R-945 TO ALL ITEM 10 (E-4676) SCREWS BEFORE ASSEMBLING THEM.

2) ASSEMBLE PARTS AS SHOWN IN ALL MOUNTING PADS ON EACH SIDE OF BODY.

3) DIMENSION BETWEEN GUIDES MUST BE HELD.

4) ASSEMBLE TO COVER OPENING USED FOR GAS & STEAM INLET.(L.H. PIPING FAR SIDE ; R.H. PIPING NEAR SIDE).





LTR	ECO NO.	BY	DATE
F	115036A	KB	9-3-87
E	115480-DP	H	12/4/86
D	115378	B	5/21/86
C	300275M	MW	5/17/84
B	300267M	MW	5/17/84
A	300272E	DM	4-23-84
REL	300264A	BC	1/19/83

REVISIONS

MATERIAL		BREAK ALL EDGES	TITLE	BODY PKG, SD & DD, BASIC HALF SIZE M/C 4171/75	
		TOLERANCE UNLESS OTHERWISE SPECIFIED			
		2 PLACE DECIMAL ±.02	PRODUCT	M/C MPS EO	SUPERSEDES
		3 PLACE DECIMAL ±.005	CHK	10/19/83	
FINISH	NONE	ANGLE ±1°	APPROVED	10/19/83	SIZE D SHEET 01
		SCALE NTS	APPROVED	10-13-83	DRAWING PART NO 87285 REV F
NEXT ASSEMBLY	USED ON APPLICATION	DRAWN BY	APPROVED	10-13-83	

SYBRON

Drawing 87285

Assembly Number: 52773 (Rev. D)

BODY HDW PKG,MC4233,42"

Item	Description	Part Number	Qty
0	OIL,HIGH TEMP,16OZ BOTTLE	61301600030	1
2	SUPPORT	35995	8
3	PIN, .38X1.84,MNL	36465	8
4	RLR ASSY,BEARING	36462	8
5	WSHR,FLT, .44X .88X.09THK,SST	36466	8
6	SPACER,.875ODX.035WX .26LG,SST	44089	8
7	GUIDE,1.12 X 38.25,42"	38975	2
8	WSHR,LOCK,INT, .38ND,SST	E6177	8
9	SCR,FLT HD,PHL, .25-20X .50,SS	E4730	8
10	SCR,SOC HD,CAP, .31-18X .50,SS	E4676	16
11	PIN,ROLL, .16X1.00,SST	E4677	8
12	WSHR,THR, .50X .75X.06THK,BRZ	36467	8
18	SCREEN ASSY,SEDIMENT	36690	1
19	NUT,HEX,JAM, .38-24,SST	E6568	8
20	BRKT,SHPNG	68939	4
27	BOLT,CARRIAGE,.50-13X 4.00,STL	E6946	8
28	NUT,HEX, .50-13,STL,ZP	E2241	8
29	WSHR,LOCK,SPR, .50ND,STL,CAD	E2240	8
35	PLUG,PIPE,1.50MPT,BRS,125#	35152	2
36	FBRGLS INSULTN 1.5 THK 48.0 WD	R0047	0.01
37	TAPE,FIBERGLASS,FOIL,3"",SILVER	41185	0.5

Assembly Number: 52772 (Rev. D)

BODY HDW PKG,MC4233,76"

Item	Description	Part Number	Qty
0	OIL,HIGH TEMP,16OZ BOTTLE	61301600030	1
2	SUPPORT	35995	14
3	PIN, .38X1.84,MNL	36465	14
4	RLR ASSY,BEARING	36462	14
5	WSHR,FLT, .44X .88X.09THK,SST	36466	14
6	SPACER,.875ODX.035WX .26LG,SST	44089	8
7	GUIDE,1.12 X 72.25,76"	35367	2
8	WSHR,LOCK,INT, .38ND,SST	E6177	14
9	SCR,FLT HD,PHL, .25-20X .50,SS	E4730	8
10	SCR,SOC HD,CAP, .31-18X .50,SS	E4676	28
11	PIN,ROLL, .16X1.00,SST	E4677	14
12	WSHR,THR, .50X .75X.06THK,BRZ	36467	14
18	SCREEN ASSY,SEDIMENT	36690	1
19	NUT,HEX,JAM, .38-24,SST	E6568	14
20	BRKT,SHPNG	68939	4
27	BOLT,CARRIAGE,.50-13X 4.00,STL	E6946	8
28	NUT,HEX, .50-13,STL,ZP	E2241	8
29	WSHR,LOCK,SPR, .50ND,STL,CAD	E2240	8
35	PLUG,PIPE,1.50MPT,BRS,125#	35152	2
36	FBRGLS INSULTN 1.5 THK 48.0 WD	R0047	0.02
37	TAPE,FIBERGLASS,FOIL,3"",SILVER	41185	0.5

Section 2 Cart Lift Package

This section contains an illustrated parts breakdown for the following assemblies:

- Control Package, Cart Lift, SD
- Control Package, Cart Lift, DD
- Cart Lift Assembly

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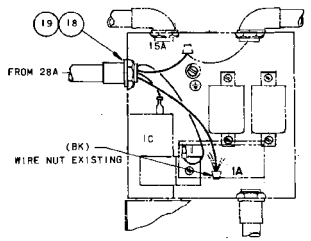
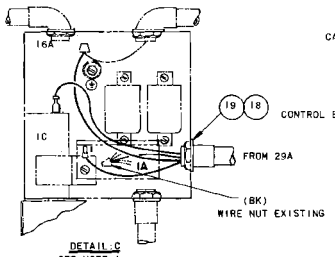
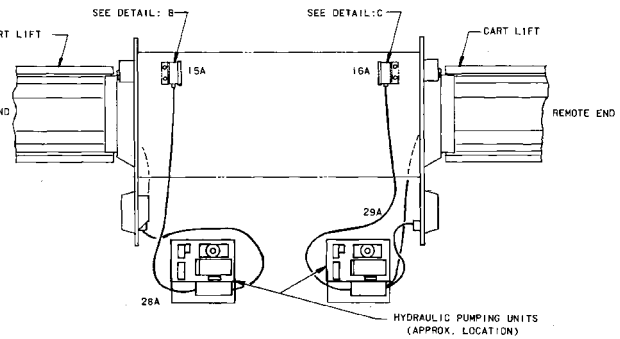
NOTES: 1) REFER TO:
a) WIRING DIAGRAM P/N 89416-4100 AND 511332-4200 FOR LOAD (5A)/UNLOAD 16A LIFT DOOR.
b) WIRING DIAGRAM P/N 87822-4100 AND 511330-4200 FOR CART LIFT. (CE&RE)
2) STAMP INFORMATION ON RATING PLATE, ITEM 13, PER DRAWING 511150-4200. E



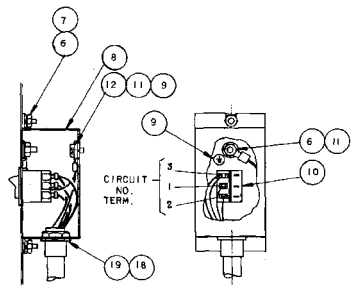
DETAIL B
SEE NOTE 1a



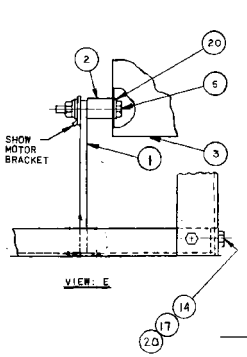
DETAIL C
SEE NOTE 1a



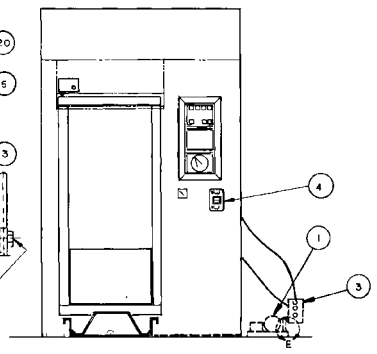
VIEW: TOP
RIGHT HAND CONTROLS & PIPING
USE MIRROR IMAGE FOR
LEFT HAND CONTROLS & PIPING



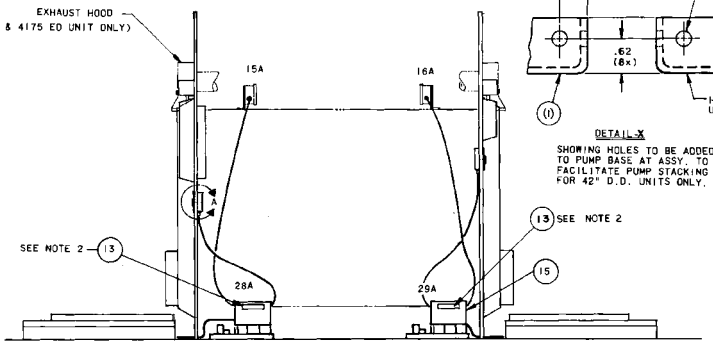
VIEW: A
SEE NOTE 1b

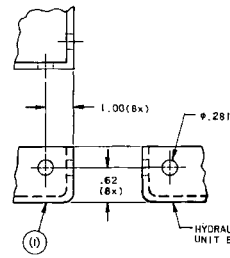


VIEW: E

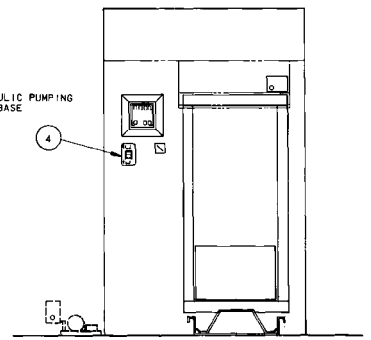


CONTROL END

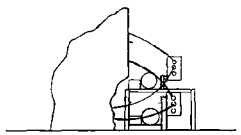




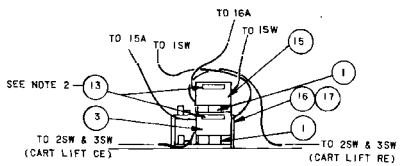
DETAIL X
SHOWING HOLES TO BE ADDED TO PUMP BASE AT ASSY. TO FACILITATE PUMP STACKING FOR 42" D.D. UNITS ONLY.



REMOTE END
(DOUBLE DOOR ONLY)



FRONT: CONTROL END
M/C MPS (42") DD ONLY
SEE DETAIL-X



VIEW: SIDE
M/C MPS (42") DD ONLY
SEE DETAIL-X

LTR	ECO NO	BY	DATE
K	119003	RR	6/15/98
J	117894	mw	3/1/94
C	117364	RJR	9/6/93
B	115314A	RJR	5/14/93
A	3002789	RJR	11/7/89
INIT.	3002712E	RJR	2/27/89

REVISIONS

ASSY #	DESCRIPTION
512083	CONT PKG LIFT MPS DD
512082	CONT PKG LIFT MPS SD
87824	CONT PKG LIFT MPS 42 DD
SK45571	CONT PKG LIFT MPS DD w/SF

THIS DRAWING IS MAINTAINED USING CTX SOFTWARE. CHANGES SHOULD BE MADE TO THE DATABASE AND NOT THIS TRACING. FILENAME=89428-E1.DP4

MATERIAL	
FINISH	
NEXT ASSEMBLY	QTY. PER ASSEMBLY
BREAK ALL EDGES	
TOLERANCE UNLESS OTHERWISE SPECIFIED	
2 PLACE DECIMAL	
3 PLACE DECIMAL	
ANGLE	
SCALE	NTS
DRAWN BY	Cranigia 4/84
GETINGE/CASTLE, INC. 1777 E. HENRIETTA RD. ROCHESTER, NY 14623	
TITLE	CONTROL PKG, LIFT, 42" & 76", BASIC
PROJECT	MPS FLR MTD
CHK	JWS 4/11/84
APPROVED	4/11/84
SUPERSEDES	
SIZE	D
SHEET	1 OF 1
DRAWING/PART NO	89428
REV	E

Drawing 89428

Assembly Number: 512082 (Rev. A)

CONT PKG,LIFT,MC MPS,SD

Item	Description	Part Number	Qty
1	LIFT ASSY,CART,MC MPS,F/M	89423	1
2	SPACER,JUNCTION BOX	56097	2
3	CONDUIT PKG,28A,CE	512084	1
4	DECAL,CART LIFT	89412	1
5	SCR,HEX HD,CAP, .31-18X2.00,SS	E5124	2
6	WSHR,LOCK,SPR, .19ND,SST	E7034	3
7	NUT,HEX, .19-32,SST	E7033	3
8	BOX,SWITCH,CART LIFT	89432	1
9	LABEL,EARTH GROUND	65723R	1
10	SWITCH,ROCKER,DP	66437	1
11	WSHR,CUP, .21X .54X.03THK,BRS	61419R	2
12	SCR,GROUND, .19-32X .38,ST	E6645	1
13	LABEL,RATING,SERIAL,COMMON	61301602913	1
18	SPACER,CONDUIT	36967	3
19	NUT,LOCK,CND,.50-13,STL,GALV	E0263	3
20	WSHR,FLT, .31 NOM ID,STL,CAD	E7115	2

Assembly Number: 512083 (Rev. A)

CONT PKG,LIFT,MC MPS,DD

Item	Description	Part Number	Qty
1	LIFT ASSY,CART,MC MPS,F/M	89423	2
2	SPACER,JUNCTION BOX	56097	4
3	CONDUIT PKG,28A,CE	512084	1
4	DECAL,CART LIFT	89412	2
5	SCR,HEX HD,CAP, .31-18X2.00,SS	E5124	4
6	WSHR,LOCK,SPR, .19ND,SST	E7034	6
7	NUT,HEX, .19-32,SST	E7033	6
8	BOX,SWITCH,CART LIFT	89432	2
9	LABEL,EARTH GROUND	65723R	2
10	SWITCH,ROCKER,DP	66437	2
11	WSHR,CUP, .21X .54X.03THK,BRS	61419R	4
12	SCR,GROUND, .19-32X .38,ST	E6645	2
13	LABEL,BLANK,COMPUTER-PRINTABLE	G2572	2
14	NUT,HEX, .25-20,STL,CAD	E5186	16
15	CONDUIT PKG,29A,RE	512085	1
16	SUPPORT,HYDRAULIC PMP STACKING	56094	4
17	SCR,HEX HD,CAP, .25-20X .63,SS	E0108	16
18	SPACER,CONDUIT	36967	6
19	NUT,LOCK,CND,.50-13,STL,GALV	E0263	6
20	WSHR,FLT, .31 NOM ID,STL,CAD	E7115	4
21	WSHR,LOCK,SPR, .25ND,SST	E4671	16

89442 (DRAWING/PART NO)
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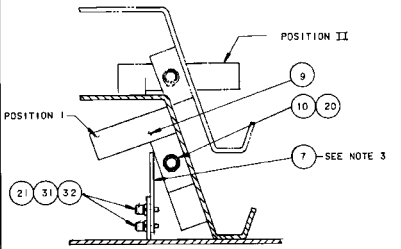
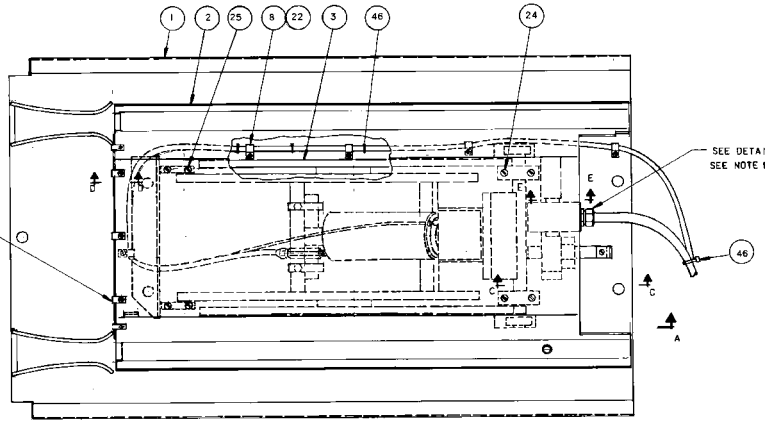
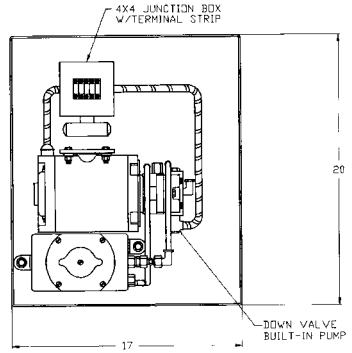
NOTES:
1. SHIM (ITEM 6 AS REQ'D SO THAT CONTACT WITH ROLLER IS MADE IN A FULLY COLLAPSED POSITION (2 PLACES).
2. LUBRICATE ROLLER SURFACE OF TRACKS WITH MOLYBODENUM DISULPHIDE GREASE, X-552 (4 PLACES).
3. ADJUST ITEM 7 SO THAT ITEM 9 IS IN POSITION 2 WHEN RAMP IS IN A FULLY COLLAPSED POSITION II.
4. ADJUST ACTUATOR (ITEM 13) SO THAT LIMIT SWITCH IS ACTUATED WHEN TRACK SURFACES OF ITEM 2 ARE AT SAME LEVEL AS THE STERILIZER FLOOR (WITH LOADED CART 300 LBS).
5. ADJUST LIMIT SWITCH ARM SO THAT ROLLER ACTUATES SWITCH AS LIFT REACHES FULLY COLLAPSED POSITION.
6. BEND TAB 90° AT ASSY (2 PLACES).
7. SHIM BETWEEN ITEM 2 & ITEMS 4 & 6 AS REQ'D TO INSURE THAT ITEM 2 IS LEVEL FROM SIDE TO SIDE AT FULL ELEVATION WITH A 300 LBS LOAD.
8. FOR WIRING OF 2SW & 3SW REFER TO WIRING DIAGRAM PART NO. 87822.- 4100 AND 511330-4200.

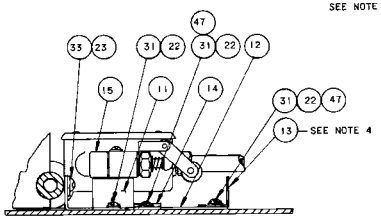


SECTION: B-B
SCALE: 1=2

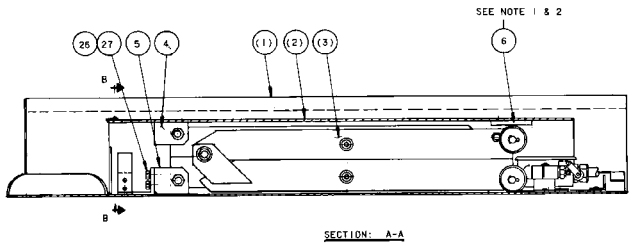




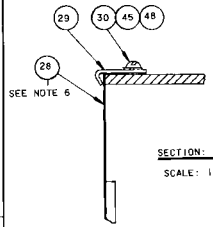
HYDRAULIC PUMPING UNIT
SCALE: 1:4



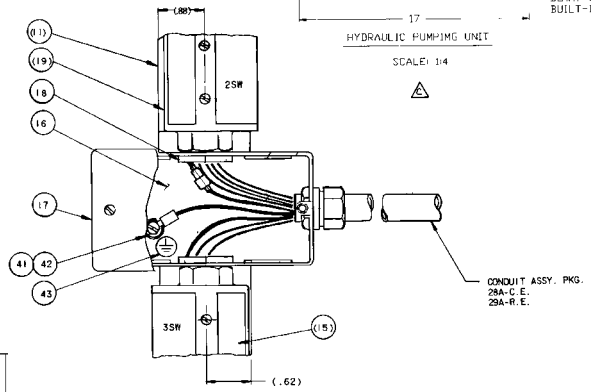
SECTION: C-C
SCALE: 1=2



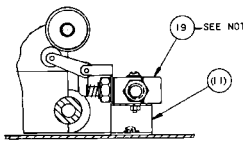
SECTION: A-A



SECTION: D-D
SCALE: 1=1



DETAIL: F
SCALE: 1=1
(SEE NOTE 8)



SECTION: E-E
SCALE: 1=2

BILL NO	DESCRIPTION
512082	CONT PKG,LIFT,MC MPS,SD
512083	CONT PKG,LIFT,MC MPS,DD

REV	NO	BY	DATE
C	117894	BSG	3/9/84
B	115314A	PH	5/16/84
A	114479	[illegible]	5/16/84
ECN	ECO NO	BY	DATE
REL	3402725	[illegible]	4/25/84

REVISIONS

MATERIAL
FINISH NONE
NEXT ASSEMBLY
QTY. PER ASSEMBLY
BREAK ALL EDGES
TOLERANCE UNLESS OTHERWISE SPECIFIED
2 PLACE DECIMAL ±
3 PLACE DECIMAL ±
ANGLE ±
SCALE 1=4
DRAWN BY [illegible] 8/16/84
Castle

TITLE: LIFT ASSY, CE & RE, BASIC
DRAWN: MPS FLR MTD 4/6/84
CHK: [illegible] 4/6/84
APPROVED: [illegible] 4/24/84
APPROVED: [illegible] 4-25-84
SUPERSEDES
SIZE D SHEET 1 OF 1
DRAWING/PART NO 89442
REV C

Assembly Number: 89423 (Rev. E)

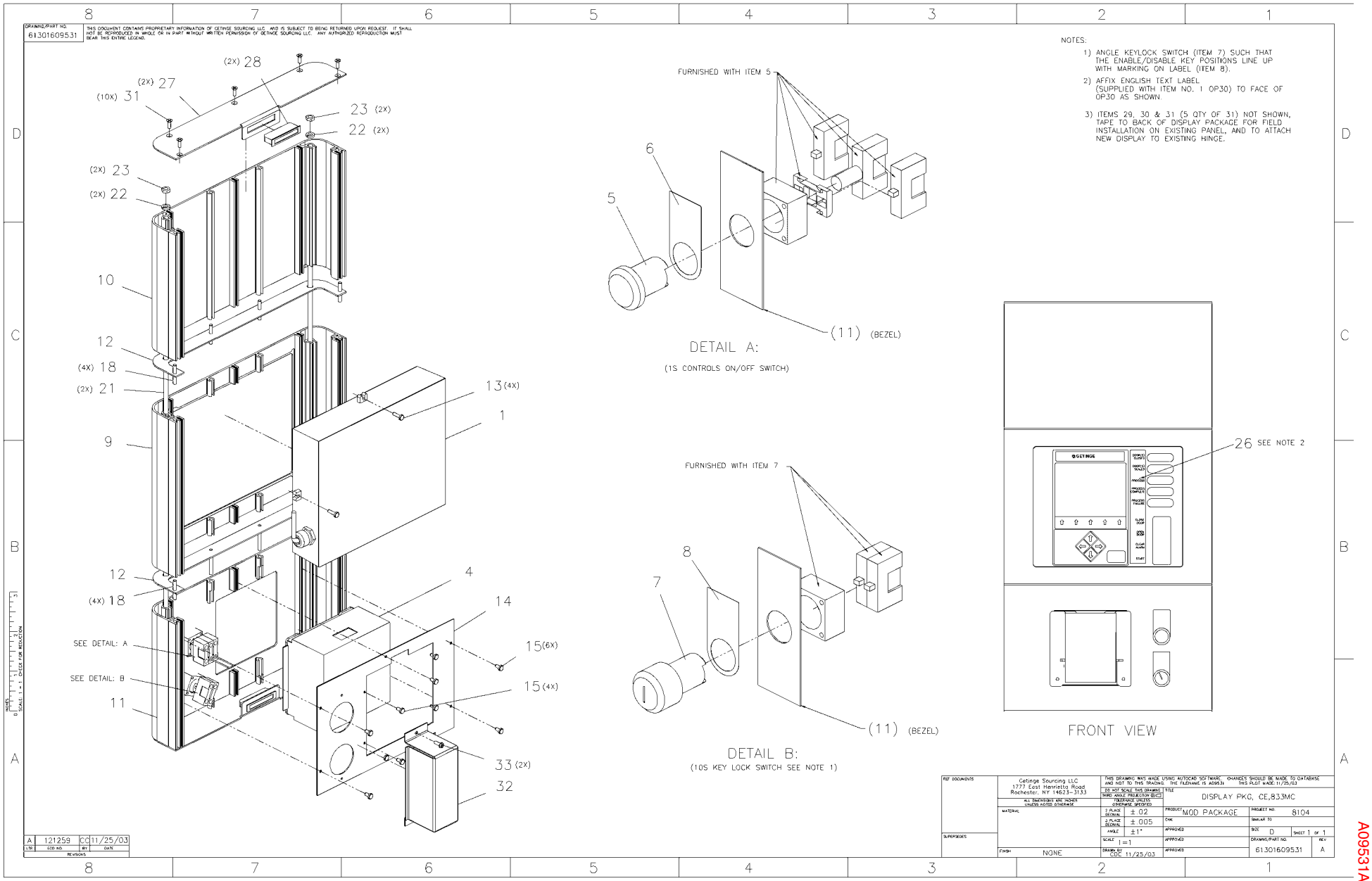
LIFT ASSY,CART,MC MPS,F/M

Item	Description	Part Number	Qty
1	BASE ASSY	43931	1
2	PLATFORM ASSYBLY	43940	1
3	LIFT ASSY,SCISSORS	43928	1
4	BLK,LIFT,MTG(UPR)	43944	2
5	BLK,LIFT MTG	43945	2
6	TRACK,RLR	43946	2
7	PLATE,STOP HRS, .13""THK	43939	1
8	CLAMP,LOOP-TYPE,NYLON .62 ID	35687	5
9	STOP,CART	43938	1
10	SHAFT,PIVOT	43943	1
11	BRKT, LIMIT SWITCH, MTG	43948	1
12	BRKT,ACTUATOR	43956	1
13	ACTR,LIMIT SW	43949	1
14	GUIDE,ACTUATOR	43955	1
15	SWITCH,CAM,SPDT,115V,60HZ	3441	1
16	BOX,UTIL,4.00X 2.12X 2.12	3494	1
17	COVER,RAISED,4.00X 2.12	3495	1
18	NIPPLE,CHASE, .50NPT	33236	2
19	SWITCH,ENCLOSED,SIDE MOUNT	50982	1
20	RING,RETAIN,EXT, .50ND,5100-50	E4924	2
21	SCR,SOC HD,CAP, .19-32X .50,SS	E5246	2
22	SCR,PAN HD,PHL, .10-32X .19,SS	E6330	10
23	SCR,PAN HD,PHL, .25-20X .50,SS	E5082	1
24	SCR,FLT HD,PHL, .19-32X .50,SS	E4636	4
25	SCR,FLT HD,PHL, .25-20X .50,SS	E4730	2
26	SCR,HEX HD,CAP, .25-20X .75,SS	E0215	4
27	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	4
28	END ASSY,COVER	43950	1
29	BRKT,COVER,MTG	43963	5
30	SCR,PAN HD,PHL, .16-32X .31,SS	E5025	5
31	WSHR,LOCK,INT, .19ND,STL,ZN PL	E2044	7
32	WSHR,FLT, 7/16ODx.203IDx.032TH	E2228	2
33	WSHR,FLT, .26X .75X.02THK,STL	E2022	1
41	SCR,GROUND, .19-32X .38,ST	E6645	1
42	WSHR,CUP, .21X .54X.03THK,BRS	61419R	1
43	LABEL,EARTH GROUND	65723R	1
45	WSHR,LOCK,SPR, .16ND,STL,CAD	E5514	5
46	TIE,CABLE,NYLON	46020	15
47	WSHR,FLT, .19X .44X.047THK,STL	E7006	3
48	WSHR,FLT, .16X .31X.03THK,SST	E6361	5

Section 3 Display Package

This section contains an illustrated parts breakdown for the Display Package:

- 833HCMC, Control End
- 833HCMC, Remote End

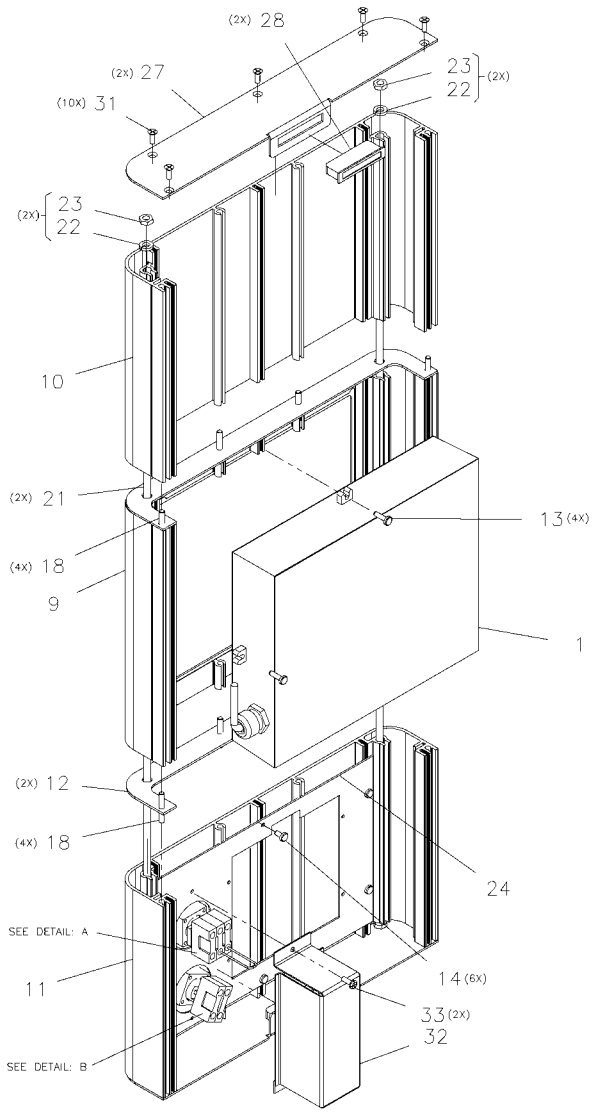

DRAWING/PART NO.
61301609531
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GETINGE SOURCING LLC. AND IS SUBJECT TO BEING RETURNED UPON REQUEST. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF GETINGE SOURCING LLC. ANY AUTHORIZED REPRODUCTION MUST BEAR THIS ENTIRE LEGEND.
(2X) 28
(2X) 27
(10X) 31
23 (2X)
22 (2X)
(2X) 23
(2X) 22
10
12
(4X) 18
(2X) 21
9
13 (4X)
1
12
(4X) 18
4
14
15 (6X)
15 (4X)
SEE DETAIL: A
SEE DETAIL: B
11
33 (2X)
32
FURNISHED WITH ITEM 5
6
5
(11) (BEZEL)
DETAIL A:
(1S CONTROLS ON/OFF SWITCH)
FURNISHED WITH ITEM 7
8
7
(11) (BEZEL)
DETAIL B:
(10S KEY LOCK SWITCH SEE NOTE 1)
NOTES:
1) ANGLE KEYLOCK SWITCH (ITEM 7) SUCH THAT THE ENABLE/DISABLE KEY POSITIONS LINE UP WITH MARKING ON LABEL (ITEM 8).
2) AFFIX ENGLISH TEXT LABEL (SUPPLIED WITH ITEM NO. 1 OP30) TO FACE OF OP30 AS SHOWN.
3) ITEMS 29, 30 & 31 (5 QTY OF 31) NOT SHOWN, TAPE TO BACK OF DISPLAY PACKAGE FOR FIELD INSTALLATION ON EXISTING PANEL, AND TO ATTACH NEW DISPLAY TO EXISTING HINGE.
26 SEE NOTE 2
FRONT VIEW
A 121259 CC 11/25/03
LTR ECO NO. BY DATE
REVISIONS
REF DOCUMENTS
SUPERSEDES
Getinge Sourcing LLC
1777 East Henrietta Road
Rochester, NY 14623-3133
THIS DRAWING WAS MADE USING AUTOCAD SOFTWARE. CHANGES SHOULD BE MADE TO DATABASE AND NOT TO THIS TRACING. THE FILENAME IS A09531 THIS PLOT MADE: 11/25/03
DO NOT SCALE THIS DRAWING
THIRD ANGLE PROJECTION
ALL DIMENSIONS ARE INCHES UNLESS NOTED OTHERWISE
TOLERANCE UNLESS OTHERWISE SPECIFIED
MATERIAL
FINISH NONE
2 PLACE DECIMAL ± .02
3 PLACE DECIMAL ± .005
ANGLE ±1°
SCALE 1=1
DRAWN BY CEC 11/25/03
TITLE DISPLAY PKG, CE,833MC
PRODUCT MOD PACKAGE
PROJECT NO. 8104
CHK
APPROVED
APPROVED
APPROVED
SIMILAR TO
SIZE D SHEET 1 OF 1
DRAWING/PART NO. 61301609531
REV A
A09531A

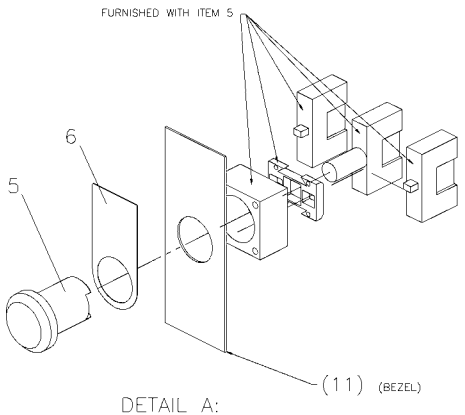
Assembly Number: 61301609531 (Rev. A)

DISPLAY PKG,833MC,CE

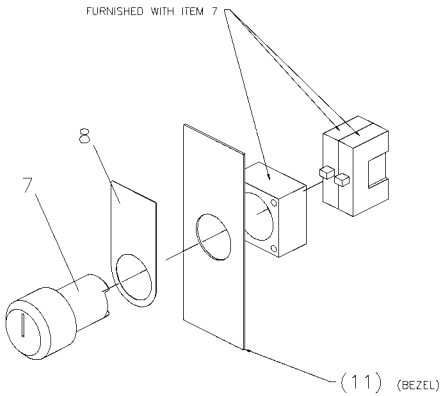
Item	Description	Part Number	Qty
1	DSPLY/SW PNL,OP30,CONFIGURED	61301608168	1
4	PRINTER,THERMAL,RS-232,24VAC	61301603760	1
5	SW ASSY,PB,ILLUM,2-NO,10A,400V	61301608437	1
6	LABEL,SW,CONT ON/OFF,WS	61301608438	1
7	SW ASSY,KEYLOCK,1-NO,10A,400V	61301608624	1
8	LABEL,SWITCH,KEYLOCK	61301608693	1
9	BEZEL,OP30,WALL MOUNT,WS	61301608722	1
10	BEZEL,BLANK,WALL MOUNT,WS	61301608727	1
11	BEZEL,PRT/SWITCH,COLUMN,700	61301608723	1
12	GASKET,BEZEL,VERTICAL,WS	61301608760	2
13	SCR,S/TP,PAN HD,.16-32X .63,SS	61301601645	4
14	PLATE,PRT,DSPL,WALL MOUNT,WS	61301608749	1
15	SCR,S/TP,PAN HD,.16-32X .38,SS	E7268	10
18	PIN,DOWEL, .197X1.25LG,SST,WS	61301608767	8
21	ROD,DSPL,UNIT MNT,700/800	61301608859	2
22	WSHR,LOCK,SPR, .25ND,SST	E4671	4
23	NUT,HEX, .25-20,STL	E7126	4
26	LABEL,OP30,ENGLISH TEXT	61301608884	
27	COVER,DISPLAY,TOP/BOTTOM	61301609580	2
28	MAGNET,LATCH,DOOR	69039	2
29	PLATE,STRIKER,TOWER,700/800	61301608918	2
30	RIVET,POP,DOMED, .12X .23,SST	E7048	4
31	SCR,S/TP,FLT HD,.164-32X .50,S	61301609589	15
32	COVER,SWITCH,COLUMN,7/800	61301608815	1
33	SCR,PAN HD,PHL, .16-32X .50,SS	E6835	2

DRAWING/PART NO. 61301609579 THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GETINGE/CASTLE, INC. AND IS SUBJECT TO BEING RETURNED UPON REQUEST. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF GETINGE/CASTLE, INC. ANY AUTHORIZED REPRODUCTION MUST BEAR THIS ENTIRE LEGEND.





DETAIL A:
(6S CONTROLS ON/OFF SWITCH)



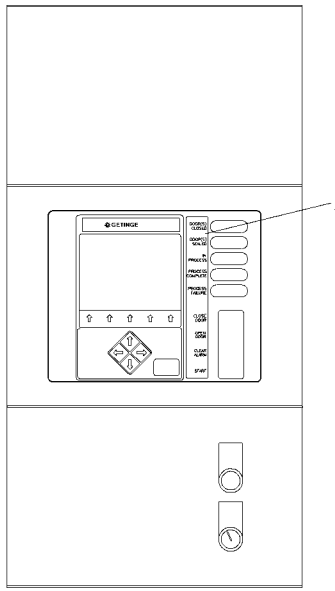
DETAIL B:
(11S KEY LOCK SWITCH SEE NOTE 1)

NOTES:

1) ANGLE KEYLOCK SWITCH (ITEM 7) SUCH THAT THE ENABLE/DISABLE KEY POSITIONS LINE UP WITH MARKINGS ON LABEL (ITEM 8).

2) AFFIX ENGLISH TEXT LABEL (SUPPLIED WITH ITEM NO. 1 OP.30) TO FACE OF OP.30 AS SHOWN.

3) ITEMS 29, 30 & 31 (5 QTY OF 31) NOT SHOWN TAPE TO BACK OF DISPLAY PACKAGE FOR FIELD INSTALLATION ON EXISTING PANEL, AND TO ATTACH NEW DISPLAY TO EXISTING HINGE.



FRONT VIEW

LTR	ECO NO.	BY	DATE
A	121259	CC	11/25/03

REVISIONS

REF DOCUMENTS	Getinge/Castle, Inc. 1777 East Henrietta Road Rochester, NY 14623-3133	THIS DRAWING WAS MADE USING AUTOCAD SOFTWARE. CHANGES SHOULD BE MADE TO DATABASE AND NOT TO THIS DRAWING. THE FILENAME IS A09579. THIS PLOT MADE 11/25/03	
		DO NOT SCALE THIS DRAWING	TITLE: DISPLAY PKG,RE, 833MC
		THIRD ANGLE PROJECTION	
		ALL DIMENSIONS ARE INCHES UNLESS NOTED OTHERWISE. TOLERANCE UNLESS OTHERWISE SPECIFIED	
	MATERIAL	2 PLACE DECIMAL ± .02	PRODUCT: M0D PACKAGE
		3 PLACE DECIMAL ± .005	CHK
		ANGLE ±1°	APPROVED
SUPERSEDES		SCALE 1=1	APPROVED
	FINISH: NONE	DRAWN BY CDC 11/25/03	APPROVED

PROJECT NO. 8104
SIMILAR TO
SIZE D SHEET 1 OF 1
DRAWING/PART NO. 61301609579 REV A

Assembly Number: 61301609579 (Rev. A)

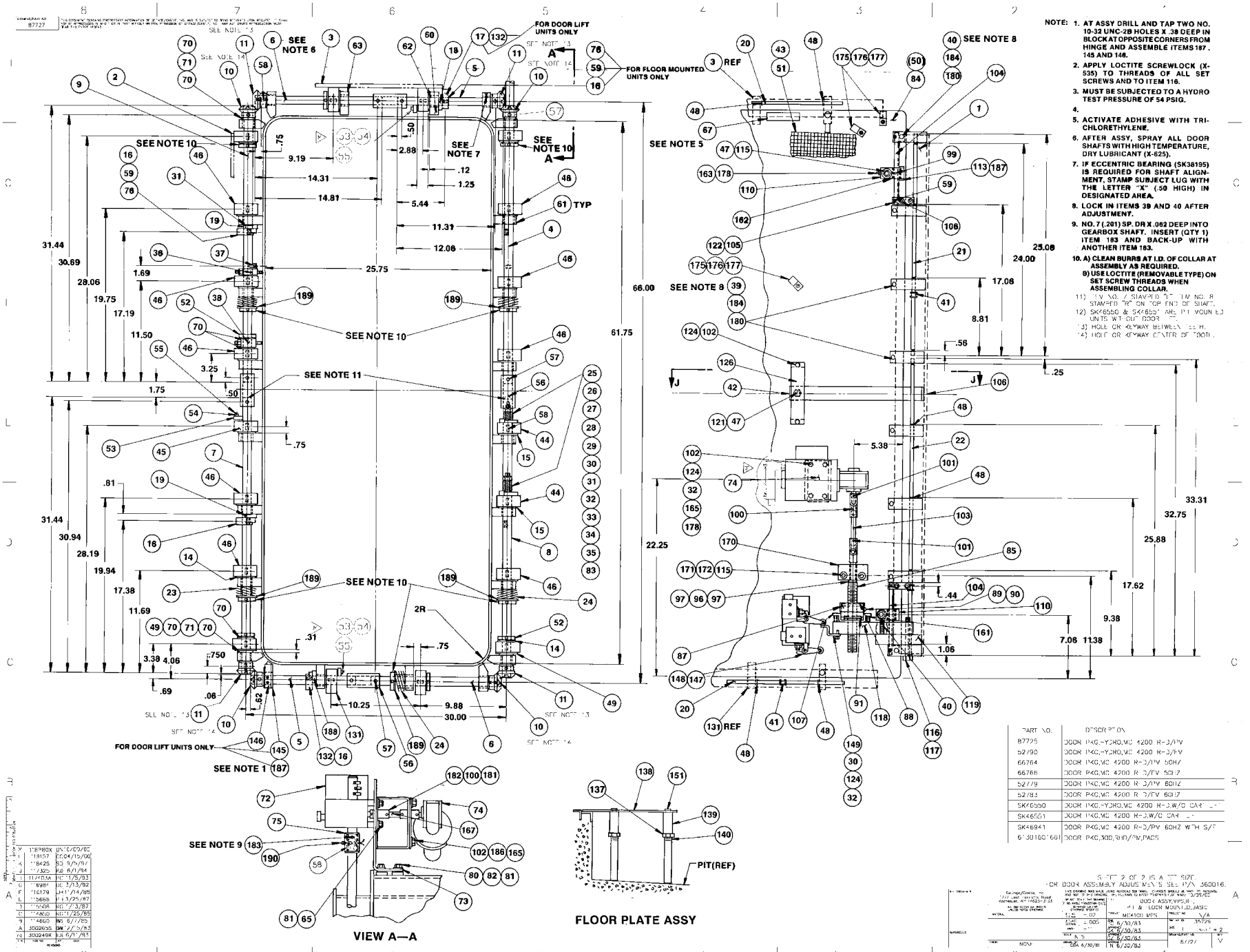
DISPLAY PKG,833MC,RE

Item	Description	Part Number	Qty
1	DSPLY/SW PNL,OP30,CONFIGURED	61301608168	1
5	SW ASSY,PB,ILLUM,2-NO,10A,400V	61301608437	1
6	LABEL,SW,CONT ON/OFF,WS	61301608438	1
7	SW ASSY,KEYLOCK,1-NO,10A,400V	61301608624	1
8	LABEL,SWITCH,KEYLOCK	61301608693	1
9	BEZEL,OP30,WALL MOUNT,WS	61301608722	1
10	BEZEL,BLANK,WALL MOUNT,WS	61301608727	1
11	BEZEL,SWITCH,COLUMN,700	61301608724	1
12	GASKET,BEZEL,VERTICAL,WS	61301608760	2
13	SCR,S/TP,PAN HD,.16-32X .63,SS	61301601645	4
14	SCR,S/TP,PAN HD,.16-32X .38,SS	E7268	6
18	PIN,DOWEL, .197X1.25LG,SST,WS	61301608767	8
21	ROD,DSPL,UNIT MNT,700/800	61301608859	2
22	WSHR,LOCK,SPR, .25ND,SST	E4671	4
23	NUT,HEX, .25-20,STL	E7126	4
24	PLATE,PRT,DSPL,WALL MOUNT,WS	61301608749	1
26	LABEL,OP30,ENGLISH TEXT	61301608884	
27	COVER,DISPLAY,TOP/BOTTOM	61301609580	2
28	MAGNET,LATCH,DOOR	69039	2
29	PLATE,STRIKER,TOWER,700/800	61301608918	2
30	RIVET,POP,DOMED, .12X .23,SST	E7048	4
31	SCR,S/TP,FLT HD,.164-32X .50,S	61301609589	15
32	COVER,SWITCH,COLUMN,7/800	61301608815	1
33	SCR,PAN HD,PHL, .16-32X .50,SS	E6835	2

Section 4 Door Package

This section contains an illustrated parts breakdown for the following assemblies

- Door Package, Hydro, RH, PM
- Door Package, RH PM
- Door Package, Hydro, LH, PM
- Door Package, LH PM
- Door Package, Hydro, LH, FM
- Door Package, LH FM
- Gear Box, RH
- Gear Box, LH:



NOTE:
1. AT ASSY DRILL AND TAP TWO NO. 10-32 UNC-2B HOLES X .38 DEEP IN BLOCK AT OPPOSITE CORNERS FROM HINGE AND ASSEMBLE ITEMS 187, 145 AND 146.
2. APPLY LOCTITE SCREWLOCK (X-535) TO THREADS OF ALL SET SCREWS AND TO ITEM 116.
3. MUST BE SUBJECTED TO A HYDRO TEST PRESSURE OF 54 PSIG.
4.
5. ACTIVATE ADHESIVE WITH TRI-CHLORETHYLENE.
6. AFTER ASSY, SPRAY ALL DOOR SHAFTS WITH HIGH TEMPERATURE, DRY LUBRICANT (X-625).
7. IF ECCENTRIC BEARING (SK38195) IS REQUIRED FOR SHAFT ALIGNMENT, STAMP SUBJECT LUG WITH THE LETTER "X" (.50 HIGH) IN DESIGNATED AREA.
8. LOCK IN ITEMS 39 AND 40 AFTER ADJUSTMENT.
9. NO. 7 (.201) SP. DR X .062 DEEP INTO GEARBOX SHAFT. INSERT (QTY 1) ITEM 183 AND BACK-UP WITH ANOTHER ITEM 183.
10. A) CLEAN BURRS AT I.D. OF COLLAR AT ASSEMBLY AS REQUIRED.
    B) USE LOCTITE (REMOVABLE TYPE) ON SET SCREW THREADS WHEN ASSEMBLING COLLAR.
11) "1" V NO. 7 STAMPED "L" IN NO. 8 STAMPED "R" ON "OR END OF SHAFT.
12) SK46550 & SK46551 ARE PUT YOUNG UNITS WITHOUT DOOR
13) HOLE ON KEYWAY BETWEEN TEETH.
14) HOLE ON KEYWAY CENTER OF TOOTH.

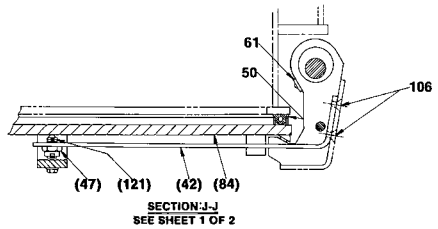
PART NO.	DESCRIPTION
87725	DOOR PKG,-HYDRO,MC 4200 R-3/PV
52790	DOOR PKG,-HYDRO,MC 4200 R-3/PV
66764	DOOR PKG,MC 4200 R-3/PV 50HZ
66768	DOOR PKG,MC 4200 R-3/PV 50HZ
52779	DOOR PKG,MC 4200 R-3/PV 60HZ
52785	DOOR PKG,MC 4200 R-3/PV 60HZ
SK46550	DOOR PKG,-HYDRO,MC 4200 R-3,W/O CAR
SK46551	DOOR PKG,MC 4200 R-3,W/O CAR
SK46941	DOOR PKG,MC 4200 R-3/PV 60HZ WITH S/F
61301661	DOOR PKG,300,RHD/PM,PADS

REVISIONS			
	GEARBOX UNITS/09/00		
J	18157	EC04/15/00	
H	18425	RO 5/15/97	
G	18325	AB 8/1/94	
F	17705A	RC 11/5/93	
E	8981	JE 3/13/92	
D	16179	JH 1/14/88	
C	15665	PT 12/29/87	
B	14600	RC 7/3/87	
A	3002655	SW 2/5/85	
rc	3002498	RJB 6/17/83	

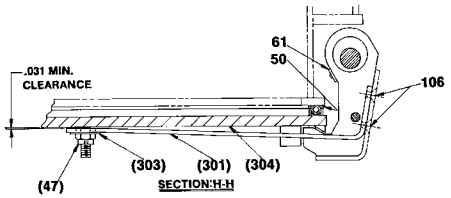
SHT 2 OF 2 IS A 11" SIZE
FOR DOOR ASSEMBLY ADJUSTMENTS SEE P/N 360016.

MATERIAL	DRAWN	MC4100 MPS	SCALE N/A
	CHKD	DOOR ASSY,WHSR	SIZE 35726
	APVD	P1 & LOCK MOUNTED,3A9E	
FINISH NONE	MFG APVD		SHEET 2 OF 2

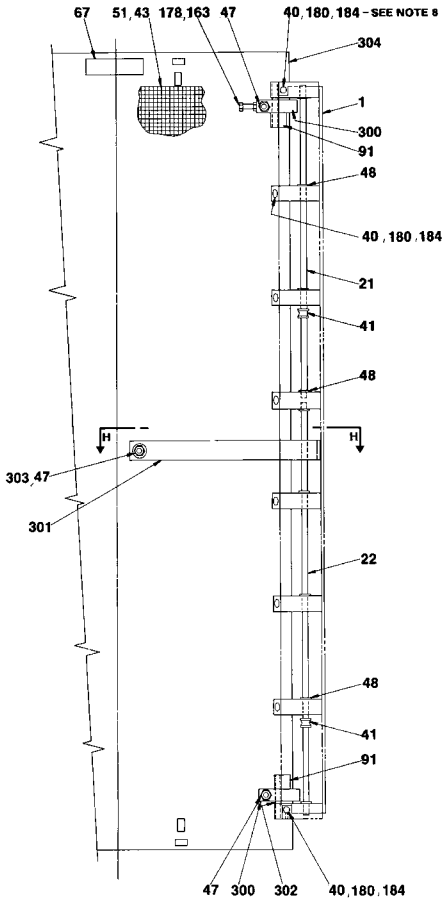
87727M1



SECTION:J-J
SEE SHEET 1 OF 2



SECTION:H-H



DOOR ASSY
(FLOOR MOUNTED UNIT ONLY)

Assembly Number: 87725 (Rev. J)

DOOR PKG,HYDRO,MC4200-RHD/PM

Item	Description	Part Number	Qty
1	HOOK ASSY,HINGE,26X62	35700	1
2	HOOK ASSY,NON HINGE,26X62	35703	1
3	HOOK ASSY,TOP,NON HINGE,26X62	35706	1
4	SHAFT,GEAR MTR	35707	1
5	SHAFT,HORIZ,1.00X12.06 LG,SST	35708	2
6	SHAFT,HORIZ,1.00X14.81 LG,SST	35709	2
7	SHAFT,VERT,LH	35710	1
8	SHAFT,VERT,RH	35711	1
9	SHAFT,TOP,LH	35755	1
10	GEAR,MITER,ALIGN W/TOOTH	61301602128	4
11	GEAR.MITER,ALIGN BETWEEN TEETH	61301602129	4
14	BEARING,ECCENTRIC,BRONZE	26420	18
15	BEARING,ECCENTRIC,LIFT CAM	26421	2
16	CAM,LIFT HOOKED NON-HINGED	26422	3
17	CAM,LIFT TOP HOOKED NON-HINGED	43740	1
18	LEVER ASSY	43736	1
19	LEVER ASSY,LH	26426	2
20	ROD,TOP & BTM,.38OD X13.50,SST	35713	2
21	ROD,TOP,SIDES,.38ODX25.06,SST	35714	2
22	ROD,BTM,SIDES,.38ODX33.31,SST	35715	2
23	SPRING,TORS,HEL,2.50D LH ,SST	26430	2
24	SPRING,TORS,HEL,2.50D RH,SST	26431	3
25	DETENT,MPS/BULK/PCLAVE DOOR	26433	2
26	STUD,.38DIAX3.00,SST	26434	2
27	DOG ASSY,DETENT CAM	26435	2
28	COLLAR,HEX	26436	2
29	SPRING,TORS,HEL, .67DX1.75L,SS	26438	2
31	WSHR,FLT, .39X .62X.03THK,STL	26446	6
33	WSHR,LOCK,SPR, .31ND,STL,CAD	E0218	2
34	SCR,SOC HD,CAP, .31-18X1.50,ZP	E6524	2
35	PIN,GRV, .19X1.25,#1,STL,ZN	E6018	2
36	BLK ASSY,STOP	27753	1
37	PIN, .38NDX1.38,STL	26444	1
38	STOP ASSY,DOOR	35716	1
39	SCR,SET,OVL PT,SOC,.50-13X1.00	26445	18
40	SCR,SET,OVL PT,SOC,.50-13X1.50	28915	3
41	SPRING,ROLLER,BRONZE	28882	5
42	BRACE,DOOR	35730	1
44	HOOK	26461	2
45	HOOK	27754	1
46	HOOK,MACHD,HINGE SIDE	26460	9

DOOR PKG,HYDRO,MC4200-RHD/PM (Continued)

Item	Description	Part Number	Qty
47	NUT,LOCK, .50-13,STL,CAD	E4881	3
48	RING,RETAIN,EXT,.38ND,#5133-37	E5530	22
49	SPACER,2.5""	35726	2
50	GSKT,DOOR,4200	517453	1
52	COLLAR,1.00IDX1.62ODX .75 THK	26465	12
53	BLOCK,SUPPORT,MPS	28479	3
54	PIN,INTRF, .38X3.44,STL	28478	3
55	PIN,COTTER, .09X .75,BRS,ZINC	E5378	6
56	COLLAR,SHAFT,1.00IDX3.50LG,CRS	28487	4
57	PIN,SPRING, .31X1.75,STL	E4797	12
58	KEY,WOODRUF, .18X .75,STL	E4892	32
59	SCR,SET,CUP PT, .25-20X .38,ST	E2085	4
60	BEARING,OILITE,.38DX.50DX1.00L	26262	4
61	COVER,OIL HOLE	32329	20
62	SLEEVE,BEARING	29226	18
63	BUSHING ASSY	27801	6
70	RACE,THRUST	26529	34
71	BEARING,THRUST,1.00DX1.55OD	26530R	10
76	SCR,SET,CUP PT, .25-20X .25,BO	E2142	4
80	SCR,HEX HD,CAP, .38-16X .75,SS	E5137	6
83	WSHR,SPR, .33X .49X.01THK,ZNC	E4796	2
84	DOOR PLATE ASSY,MPS,W/DR LIFTS	60931	1
99	SCR,SET,CUP PT, .25-20X .50,CD	E0012	1
104	PIN,HINGE, .50X8.25,	35739	2
105	BLOCK,PIN SUPPORT	35740	2
106	SCR,FLT HD,PHL, .25-20X .75,SS	E4842	12
110	BLK,HINGE	60933	2
113	HLDR,BEARING	60934	4
116	SCR,HEX,HD,CAP, .50-13X3.50,SS	E6405	1
117	WSHR,LOCK,INT, .50ND,STL,CAD	E5299	1
118	ARM,SUPPORT,1.375TK,CFS	35745	1
119	SPACER,1.00 X 1.12 X 3.00LG	35746	1
121	STUD,ADJ,BRACE, .50-13X1.00,ST	35747	1
122	SUPPORT,SHIM,P-CRS	35748	12
126	BAR,BRACKET,DOOR	35751	1
131	HOOK ASSY,BTM,P/C,26X62	35919	1
132	SCR,SET,CUP PT, .19-32X .38,BO	E4802	2
137	NUT,HEX,JAM,1.00-14,STL	E5283	2
144	SCR,PAN HD,PHL, .19-32X .38,SS	E4941	2
145	WSHR,LOCK,SPR, .19ND,STL,CAD	E5238	2
146	BRKT,DOOR STOP	35931	1
162	BEARING ASSY,SLEEVE	40151	2
163	SCR,SET,CUP PT, .25-20X1.00,BO	E2105	1

DOOR PKG,HYDRO,MC4200-RHD/PM (Continued)

Item	Description	Part Number	Qty
180	SCR,SET,CUP PT, .25-28X .25,BO	E4751	20
184	PLUG,SPEC , .19DIAX .12L,BRS	34991	20
187	SCR,FLT HD,PHL, .19-32X .38,SS	E4925	16
188	LEVER ASSY,RH	26425	1
189	WSHR,FLT,1.06X2.00X.06THK,SST"	E6989	5
190	PIN,COTTER, .19X2.00,SST	E6988	1

Assembly Number: 52779 (Rev. H)

DOOR PKG,MC4200,RHD/PM-60HZ

Item	Description	Part Number	Qty
30	SCR,SOC HD,CAP, .25-20X .50,CP	E5085	4
32	WSHR,LOCK,INT, .25ND,STL,ZN PL	E2045	2
43	FBRGLS INSULTN 1.5 THK 48.0 WD	R0047	0.02
51	ADH,#3M SPRAY 77	37386	1
65	SCR,HEX HD,CAP, .38-16X1.50,SS	E5251	4
67	NAMEPLATE,LUBRICATION	29864	1
72	GEAR BOX ASSY,RH,26X62,P/C	36788	1
73	BRKT ASSY,RH	58271	1
74	MOTOR AND BRACKET ASSY	536846	2
75	COLLAR,GEARBOX	35728	1
80	SCR,HEX HD,CAP, .38-16X .75,SS	E5137	6
81	WSHR,LOCK,SPR, .38ND,STL,CAD	E5204	10
82	WSHR,FLT, .44X1.00X.09THK,ZNC	E0022	8
85	LIFT ASSY,SCREW	44282	1
87	WICK,OIL	34130	1
88	RTNR,WICK,OIL,.88X 2.53SQ,BRS	34131	1
89	SCR,PAN HD,PHL, .14-32X .25,SS	E5010	4
90	WSHR,LOCK,INT, .14ND,STL,ZN PL	E2043	4
91	WSHR,SPHER,1.12X2.06,0.00R,XXX	34132	1
96	BEARING,THRUST, .50DX .93OD	34135	1
97	RACE,THRUST	34136	2
100	UNIVERSAL JOINT	27826	2
101	PIN,SPRING, .19X .75,STL,CAD	E2236	4
102	SCR,HEX HD,CAP, .25-20X .75,SS	E0215	12
103	ROD,CONNECTING	34138	1
107	SLIDE,LIFTNUT	37824	1
115	WSHR,FLT, .52X1.13X.06THK,SST	E2254	4
124	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	16
138	PLATE,FLR,MPS PIT	35578	1
139	COUPLING,PLATE,FLR	35582	2
140	SUPPORT,FLR,PLT-STL	35583	2
147	SWITCH,CAM,SPDT,115V,60HZ	3441	2
148	PLATE,THREADED	34160	2
149	ACTR,SW	38831	1
151	SCR,FLT HD,PHL, .38-16X1.00,SS	E7102	2
161	STUD,SPACER	38655	4
165	WSHR,FLT, .31X .75X.06THK,ZNC	E0123	8
167	ROD,CONNECTING,.50DIA,SST	42387	1
170	BEARING ASSY,DOOR LIFT	42411	1
171	SCR,SOC HD,CAP, .50-13X2.50,ZP	E4720	2
172	WSHR,LOCK,SPR, .50ND,STL,CAD	E2240	2
175	CLIP,THERMOSTAT BULB	49900	3

DOOR PKG,MC4200,RHD/PM-60HZ (Continued)

Item	Description	Part Number	Qty
176	NUT,HEX, .16-32,STL,ZNC PL	E0253	3
177	WSHR,FLT, 7/16ODx.203IDx.032TH	E2228	3
178	NUT,HEX, .25-20,STL,CAD	E5186	9
181	PIN,SHAFT, .19X1.13,STL	28484	8
182	PIN,COTTER, .06X .75,STL	E4807	8
183	SCR,SET,CUP PT, .25-20X .19,BO	E2084	2

Assembly Number: 52790 (Rev. M)

DOOR PKG,HYDRO,MC4200-RHD/FM

Item	Description	Part Number	Qty
1	HOOK ASSY,HINGE,26X62	35700	1
2	HOOK ASSY,NON HINGE,26X62	35703	1
3	HOOK ASSY,TOP,NON HINGE,26X62	35706	1
4	SHAFT,GEAR MTR	35707	1
5	SHAFT,HORIZ,1.00X12.06 LG,SST	35708	2
6	SHAFT,HORIZ,1.00X14.81 LG,SST	35709	2
7	SHAFT,VERT,LH	35710	1
8	SHAFT,VERT,RH	35711	1
9	SHAFT,TOP,LH	35755	1
10	GEAR,MITER,ALIGN W/TOOTH	61301602128	4
11	GEAR.MITER,ALIGN BETWEEN TEETH	61301602129	4
14	BEARING,ECCENTRIC,BRONZE	26420	18
15	BEARING,ECCENTRIC,LIFT CAM	26421	2
16	CAM,LIFT HOOKED NON-HINGED	26422	4
18	LEVER ASSY	27900	1
19	LEVER ASSY,LH	26426	2
20	ROD,TOP & BTM,.38OD X13.50,SST	35713	2
21	ROD,TOP,SIDES,.38ODX25.06,SST	35714	2
22	ROD,BTM,SIDES,.38ODX33.31,SST	35715	2
23	SPRING,TORS,HEL,2.50D LH ,SST	26430	2
24	SPRING,TORS,HEL,2.50D RH,SST	26431	3
25	DETENT,MPS/BULK/PCLAVE DOOR	26433	2
26	STUD,.38DIAX3.00,SST	26434	2
27	DOG ASSY,DETENT CAM	26435	2
28	COLLAR,HEX	26436	2
29	SPRING,TORS,HEL, .67DX1.75L,SS	26438	2
31	WSHR,FLT, .39X .62X.03THK,STL	26446	6
33	WSHR,LOCK,SPR, .31ND,STL,CAD	E0218	2
34	SCR,SOC HD,CAP, .31-18X1.50,ZP	E6524	2
35	PIN,GRV, .19X1.25,#1,STL,ZN	E6018	2
36	BLK ASSY,STOP	27753	1
37	PIN, .38NDX1.38,STL	26444	1
38	STOP ASSY,DOOR	35716	1
39	SCR,SET,OVL PT,SOC,.50-13X1.00	26445	18
40	SCR,SET,OVL PT,SOC,.50-13X1.50	28915	2
41	SPRING,ROLLER,BRONZE	28882	5
44	HOOK	26461	2
45	HOOK	27754	1
46	HOOK,MACHD,HINGE SIDE	26460	9
47	NUT,LOCK, .50-13,STL,CAD	E4881	3
48	RING,RETAIN,EXT,.38ND,#5133-37	E5530	22
49	SPACER,2.5""	35726	2
50	GSKT,DOOR,4200	517453	1
51	ADH,#3M SPRAY 77	37386	1

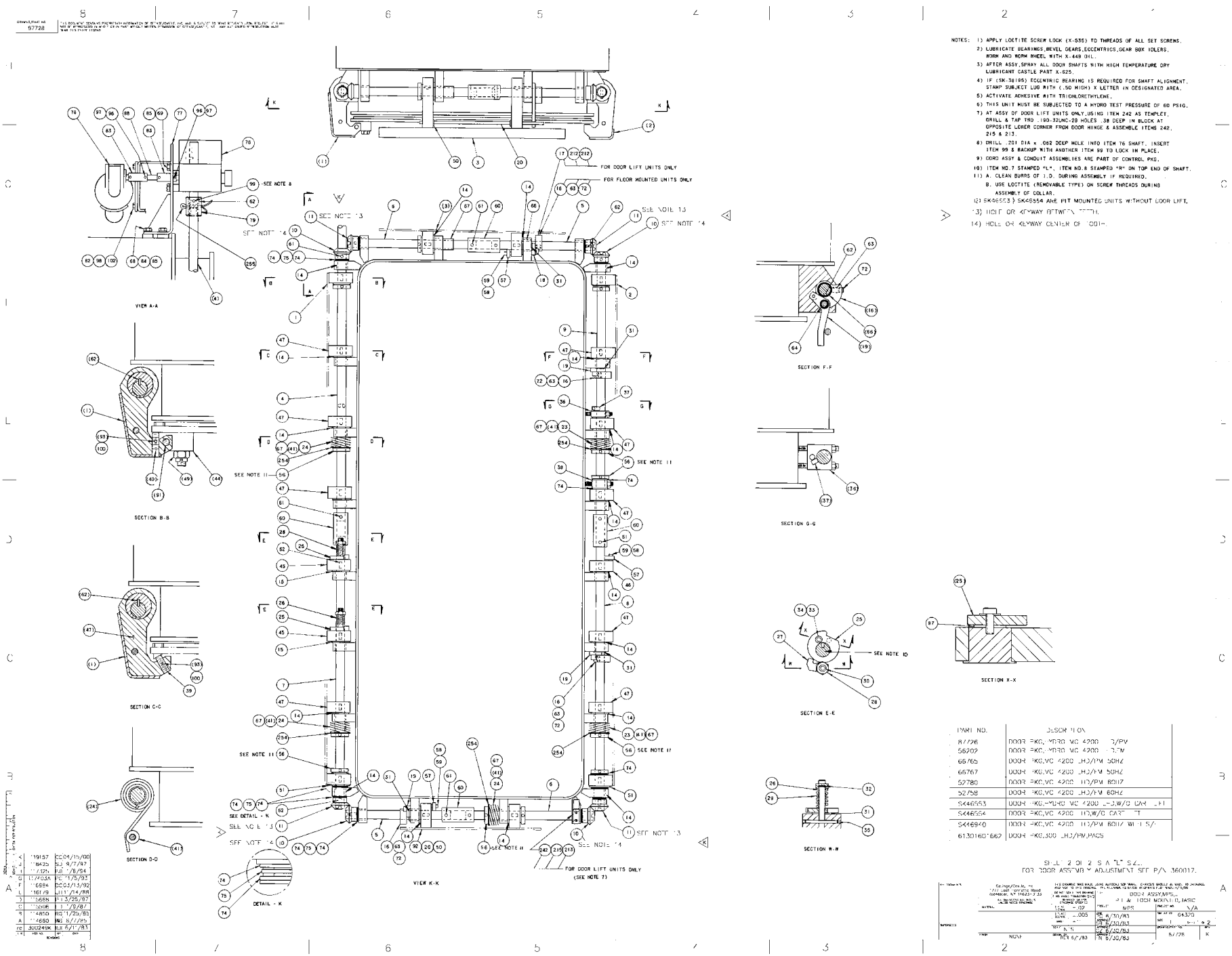
DOOR PKG,HYDRO,MC4200-RHD/FM (Continued)

Item	Description	Part Number	Qty
52	COLLAR,1.00IDX1.62ODX .75 THK	26465	12
53	BLOCK,SUPPORT,MPS	28479	3
54	PIN,INTRF, .38X3.44,STL	28478	3
55	PIN,COTTER, .09X .75,BRS,ZINC	E5378	6
56	COLLAR,SHAFT,1.00IDX3.50LG,CRS	28487	4
57	PIN,SPRING, .31X1.75,STL	E4797	13
58	KEY,WOODRUF, .18X .75,STL	E4892	32
59	SCR,SET,CUP PT, .25-20X .38,ST	E2085	4
60	BEARING,OILITE,.38DX.50DX1.00L	26262	4
61	COVER,OIL HOLE	32329	20
62	SLEEVE,BEARING	29226	18
63	BUSHING ASSY	27801	6
70	RACE,THRUST	26529	34
71	BEARING,THRUST,1.00DX1.55OD	26530R	10
73	BRKT ASSY,RH	58271	1
76	SCR,SET,CUP PT, .25-20X .25,BO	E2142	4
80	SCR,HEX HD,CAP, .38-16X .75,SS	E5137	6
83	WSHR,SPR, .33X .49X.01THK,ZNC	E4796	2
91	PIN,GRV, .50X2.25,#4,STL,ZN	E4882	2
106	SCR,FLT HD,PHL, .25-20X .75,SS	E4842	8
131	HOOK ASSY,BTM,P/C,26X62	35919	1
163	SCR,SET,CUP PT, .25-20X1.00,BO	E2105	1
180	SCR,SET,CUP PT, .25-28X .25,BO	E4751	20
184	PLUG,SPEC , .19DIAX .12L,BRS	34991	20
188	LEVER ASSY,RH	26425	1
189	WSHR,FLT,1.06X2.00X.06THK,SST	E6989	5
190	PIN,COTTER, .19X2.00,SST	E6988	1
300	HINGE,1040 CASTING	26464	2
301	BRACE	32988	1
302	WSHR,SPCL,""D""	57070	1
303	WSHR,FLT, .56X1.38X.09THK,ZNC	E0124	1
304	DOOR PLATE ASSY,MPS,W/O LIFT	60930	1

Assembly Number: 52783 (Rev. G)

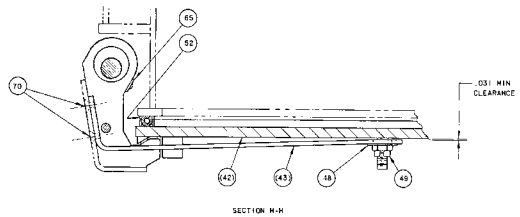
DOOR PKG,MC4200,RHD/FM-60HZ

Item	Description	Part Number	Qty
30	SCR,SOC HD,CAP, .25-20X .50,CP	E5085	2
32	WSHR,LOCK,INT, .25ND,STL,ZN PL	E2045	2
43	FBRGLS INSULTN 1.5 THK 48.0 WD	R0047	0.02
65	SCR,HEX HD,CAP, .38-16X1.50,SS	E5251	4
67	NAMEPLATE,LUBRICATION	29864	1
72	GEAR BOX ASSY,RH,26X62,P/C	36788	1
74	MOTOR AND BRACKET ASSY.	536846	1
75	COLLAR,GEARBOX	35728	1
80	SCR,HEX HD,CAP, .38-16X .75,SS	E5137	6
81	WSHR,LOCK,SPR, .38ND,STL,CAD	E5204	16
82	WSHR,FLT, .44X1.00X.09THK,ZNC	E0022	8
100	UNIVERSAL JOINT	27826	2
102	SCR,HEX HD,CAP, .25-20X .75,SS	E0215	4
165	WSHR,FLT, .31X .75X.06THK,ZNC	E0123	4
167	ROD,CONNECTING,.50DIA,SST	42387	1
178	NUT,HEX, .25-20,STL,CAD	E5186	1
181	PIN,SHAFT, .19X1.13,STL	28484	8
182	PIN,COTTER, .06X .75,STL	E4807	8
183	SCR,SET,CUP PT, .25-20X .19,BO	E2084	2
186	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	8

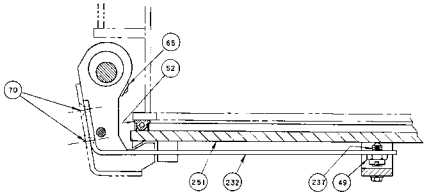

NOTES: 1) APPLY LOCTITE SCREW LOCK (K-536) TO THREADS OF ALL SET SCREWS.
2) LUBRICATE BEARINGS,BEVEL GEARS,ECCENTRICS,GEAR BOX ROLLERS, WORM AND WORM WHEEL WITH X-449 OIL.
3) AFTER ASSY,SPRAY ALL DOOR SHAFTS WITH HIGH TEMPERATURE DRY LUBRICANT CASTLE PART X-625.
4) IF (SK-38195) ECCENTRIC BEARING IS REQUIRED FOR SHAFT ALIGNMENT, STAMP SUBJECT LUG WITH (.50 HIGH) X LETTER IN DESIGNATED AREA.
5) ACTIVATE ADHESIVE WITH TRICHLORETHYLENE.
6) THIS UNIT MUST BE SUBJECTED TO A HYDRO TEST PRESSURE OF 60 PSIG.
7) AT ASSY OF DOOR LIFT UNITS ONLY,USING ITEM 242 AS TEMPLET, DRILL & TAP THD .190-32UNC-2B HOLES .38 DEEP IN BLOCK AT OPPOSITE LOWER CORNER FROM DOOR HINGE & ASSEMBLE ITEMS 242, 215 & 213.
8) DRILL .201 DIA x .062 DEEP HOLE INTO ITEM 76 SHAFT. INSERT ITEM 99 & BACKUP WITH ANOTHER ITEM 99 TO LOCK IN PLACE.
9) CORD ASSY & CONDUIT ASSEMBLIES ARE PART OF CONTROL PKG.
10) ITEM NO.7 STAMPED "L", ITEM NO.8 STAMPED "R" ON TOP END OF SHAFT.
11) A. CLEAN BURRS OF I.D. DURING ASSEMBLY IF REQUIRED.
B. USE LOCTITE (REMOVABLE TYPE) ON SCREW THREADS DURING ASSEMBLY OF COLLAR.
12) SK46553 & SK46554 ARE FIT MOUNTED UNITS WITHOUT DOOR LIFT.
13) HOIT OR KEYWAY BETWEEN TEETH.
14) HOLE OR KEYWAY CENTER OF GEAR.
FOR DOOR LIFT UNITS ONLY
FOR FLOOR MOUNTED UNITS ONLY
SEE NOTE 13
SEE NOTE 14
SEE NOTE 11
SEE NOTE 10
SEE DETAIL "K"
VIEW K-K
DETAIL "K"
SECTION A-A
SECTION B-B
SECTION C-C
SECTION D-D
SECTION E-E
SECTION F-F
SECTION G-G
SECTION W-W
SECTION X-X
FOR DOOR LIFT UNITS ONLY (SEE NOTE 7)
SHELF SIZE FOR DOOR ASSEMBLY ADJUSTMENT SEE P/N 360017.
DOOR ASSY,MPS... 21 & 10CM MOUNTED,BASIC
MPS
N/A
64320
87728
87728K1

PART NO.	DESCRIPTION
87728	DOOR ASY,MPRO MC 4200 3/PH
58209	DOOR ASY,MPRO MC 4200 3/PH
66765	DOOR ASY,MC 4200 1PH/1PH 50HZ
66767	DOOR ASY,MC 4200 1PH/1PH 50HZ
52780	DOOR ASY,MC 4200 1PH/1PH 60HZ
52758	DOOR ASY,MC 4200 1PH/1PH 60HZ
SK46553	DOOR ASY,MPRO MC 4200 1PH/W/O CAM 1PH
SK46554	DOOR ASY,MC 4200 1PH,W/O CAM 1PH
SK46940	DOOR ASY,MC 4200 1PH/1PH 60HZ WITH S/A
61301660*662	DOOR ASY,300 1PH/1PH,PACS

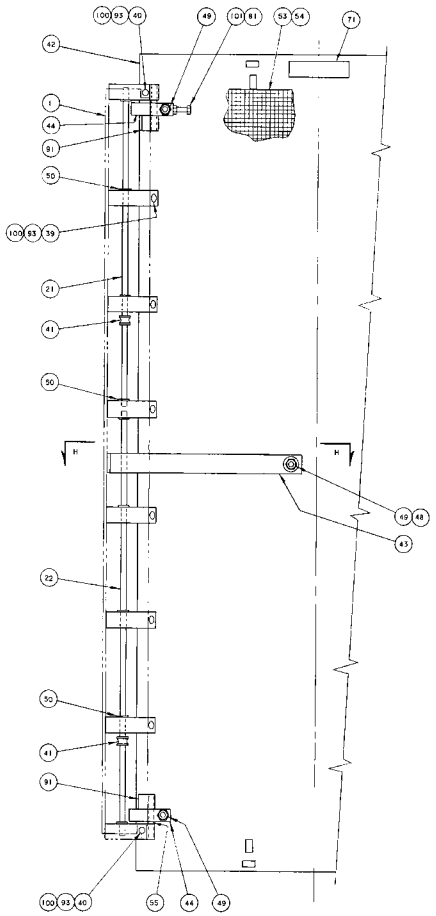
K	19157	CC04/15/00	
J	8425	SJ 8/7/97	
H	425	KJB 7/8/94	
G	7403A	RC 1/5/93	
F	6894	DCG1/13/92	
E	1619	JJH 7/14/88	
D	5686	PLB 3/25/87	
C	5008	PLB 7/9/87	
B	4850	RG 1/25/85	
A	4680	MG 8/7/85	
rc	50029SK	KJB 6/1/84	



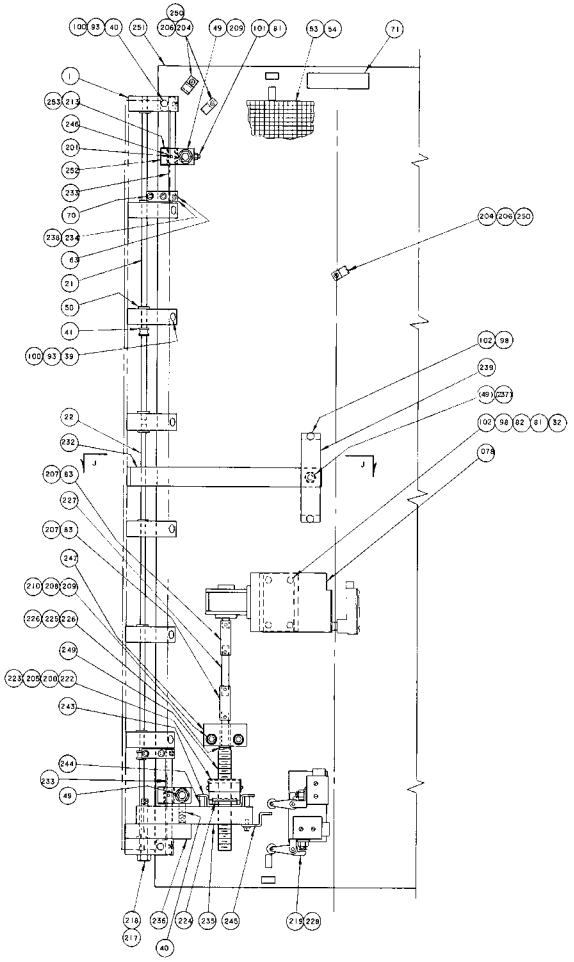
SECTION H-H



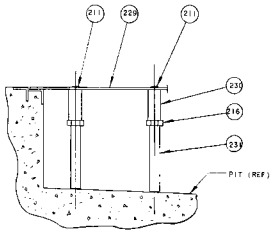
SECTION J-J



DOOR ASSY
(FLOOR MOUNTED UNIT ONLY)



DOOR ASSY
(DOOR LIFT UNIT ONLY)



FLOOR PLATE ASSY

Assembly Number: 87726 (Rev. J)

DOOR PKG,HYDRO,MC4200-LHD/PM

Item	Description	Part Number	Qty
1	HOOK ASSY,HINGE,26X62	35700	1
2	HOOK ASSY,NON HINGE,26X62	35703	1
3	HOOK ASSY,TOP,NON HINGE,26X62	35706	1
4	SHAFT,GEAR MTR	35707	1
5	SHAFT,HORIZ,1.00X12.06 LG,SST	35708	2
6	SHAFT,HORIZ,1.00X14.81 LG,SST	35709	2
7	SHAFT,VERT,LH	35710	1
8	SHAFT,VERT,RH	35711	1
9	SHAFT,TOP,RH	35712	1
10	GEAR,MITER,ALIGN W/TOOTH	61301602128	4
11	GEAR.MITER,ALIGN BETWEEN TEETH	61301602129	4
14	BEARING,ECCENTRIC,BRONZE	26420	18
15	BEARING,ECCENTRIC,LIFT CAM	26421	2
16	CAM,LIFT HOOKED NON-HINGED	26422	3
17	CAM,LIFT TOP HOOKED NON-HINGED	43740	1
18	LEVER ASSY	43736	1
19	LEVER ASSY,RH	26425	3
20	ROD,TOP & BTM,.38OD X13.50,SST	35713	2
21	ROD,TOP,SIDES,.38ODX25.06,SST	35714	2
22	ROD,BTM,SIDES,.38ODX33.31,SST	35715	2
23	SPRING,TORS,HEL,2.50D LH ,SST	26430	2
24	SPRING,TORS,HEL,2.50D RH,SST	26431	3
25	DETENT,MPS/BULK/PCLAVE DOOR	26433	2
26	STUD,.38DIAX3.00,SST	26434	2
27	DOG ASSY,DETENT CAM	26435	2
28	COLLAR,HEX	26436	2
29	SPRING,TORS,HEL, .67DX1.75L,SS	26437	2
31	WSHR,FLT, .39X .62X.03THK,STL	26446	6
33	WSHR,LOCK,SPR, .31ND,STL,CAD	E0218	2
34	SCR,SOC HD,CAP, .31-18X1.50,ZP	E6524	2
35	PIN,GRV, .19X1.25,#1,STL,ZN	E6018	2
36	BLK ASSY,STOP	27753	1
37	PIN, .38NDX1.38,STL	26444	1
38	STOP ASSY,DOOR	35716	1
39	SCR,SET,OVL PT,SOC,.50-13X1.00	26445	18
40	SCR,SET,OVL PT,SOC,.50-13X1.50	28915	3
41	SPRING,ROLLER,BRONZE	28882	5
45	HOOK	26461	2
46	HOOK	27754	1
47	HOOK,MACHD,HINGE SIDE	26460	9
49	NUT,LOCK, .50-13,STL,CAD	E4881	3

DOOR PKG,HYDRO,MC4200-LHD/PM (Continued)

Item	Description	Part Number	Qty
50	RING,RETAIN,EXT,.38ND,#5133-37	E5530	22
51	SPACER,2.5""	35726	2
52	GSKT,DOOR,4200	517453	1
56	COLLAR,1.00IDX1.62ODX .75 THK	26465	12
57	BLOCK,SUPPORT,MPS	28479	3
58	PIN,INTRF, .38X3.44,STL	28478	3
59	PIN,COTTER, .09X .75,BRS,ZINC	E5378	6
60	COLLAR,SHAFT,1.00IDX3.50LG,CRS	28487	4
61	PIN,SPRING, .31X1.75,STL	E4797	12
62	KEY,WOODRUF, .18X .75,STL	E4892	32
63	SCR,SET,CUP PT, .25-20X .38,ST	E2085	4
64	BEARING,OILITE,.38DX.50DX1.00L	26262	4
65	COVER,OIL HOLE	32329	20
66	SLEEVE,BEARING	29226	18
67	BUSHING ASSY	27801	6
70	SCR,FLT HD,PHL, .25-20X .75,SS	E4842	12
72	SCR,SET,CUP PT, .25-20X .25,BO	E2142	4
74	RACE,THRUST	26529	34
75	BEARING,THRUST,1.00DX1.55OD	26530R	10
84	SCR,HEX HD,CAP, .38-16X .75,SS	E5137	6
87	WSHR,SPR, .33X .49X.01THK,ZNC	E4796	2
92	HOOK ASSY,BTM,P/C,26X62	35919	1
93	SCR,SET,CUP PT, .25-28X .25,BO	E4751	20
100	PLUG,SPEC , .19DIAX .12L,BRS	34991	20
101	SCR,SET,CUP PT, .25-20X1.00,BO	E2105	1
201	SCR,SET,CUP PT, .25-20X .50,CD	E0012	1
212	SCR,SET,CUP PT, .19-32X .38,BO	E4802	2
213	SCR,FLT HD,PHL, .19-32X .38,SS	E4925	15
215	WSHR,LOCK,SPR, .19ND,STL,CAD	E5238	3
216	NUT,HEX,JAM,1.00-14,STL	E5283	2
217	WSHR,LOCK,INT, .50ND,STL,CAD	E5299	1
218	SCR,HEX,HD,CAP, .50-13X3.50,SS	E6405	1
232	BRACE,DOOR	35730	1
233	PIN,HINGE, .50X8.25,	35739	2
234	BLOCK,PIN SUPPORT	35740	2
235	ARM,SUPPORT,1.375TK,CFS	35745	1
236	SPACER,1.00 X 1.12 X 3.00LG	35746	1
237	STUD,ADJ,BRACE, .50-13X1.00,ST	35747	1
238	SUPPORT,SHIM,P-CRS	35748	12
239	BAR,BRACKET,DOOR	35751	1
242	BRKT,DOOR STOP	35931	1

DOOR PKG,HYDRO,MC4200-LHD/PM (Continued)

Item	Description	Part Number	Qty
246	BEARING ASSY,SLEEVE	40151	2
251	DOOR PLATE ASSY,MPS,W/DR LIFTS	60931	1
252	BLK,HINGE	60933	2
253	HLDR,BEARING	60934	4
254	WSHR,FLT,1.06X2.00X.06THK,SST	E6989	5
255	PIN,COTTER, .19X2.00,SST	E6988	1

Assembly Number: 52780 (Rev. K)

DOOR PKG,MC4200,LHD/PM-60HZ

Item	Description	Part Number	Qty
30	SCR,SOC HD,CAP, .25-20X .50,CP	E5085	4
32	WSHR,LOCK,INT, .25ND,STL,ZN PL	E2045	6
53	FBRGLS INSULTN 1.5 THK 48.0 WD	R0047	0.02
54	ADH,#3M SPRAY 77	37386	1
68	WSHR,FLT, .44X1.00X.09THK,ZNC	E0022	8
69	SCR,HEX HD,CAP, .38-16X1.50,SS	E5251	4
71	NAMEPLATE,LUBRICATION	29864	1
76	GEAR BOX ASSY,LH,26X62,MPS	36789	1
77	BRKT ASSY,LH	58270	1
78	MOTOR AND BRACKET ASSY	536846	2
79	COLLAR,GEARBOX	35728	1
81	NUT,HEX, .25-20,STL,CAD	E5186	9
82	WSHR,FLT, .31X .75X.06THK,ZNC	E0123	8
83	UNIVERSAL JOINT	27826	4
84	SCR,HEX HD,CAP, .38-16X .75,SS	E5137	6
85	WSHR,LOCK,SPR, .38ND,STL,CAD	E5204	16
88	ROD,CONNECTING,.50DIA,SST	42387	1
96	PIN,SHAFT, .19X1.13,STL	28484	8
97	PIN,COTTER, .06X .75,STL	E4807	8
98	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	16
99	SCR,SET,CUP PT, .25-20X .19,BO	E2084	2
102	SCR,HEX HD,CAP, .25-20X .75,SS	E0215	14
200	SCR,PAN HD,PHL, .14-32X .25,SS	E5010	4
204	NUT,HEX, .16-32,STL,ZNC PL	E0253	3
205	WSHR,LOCK,INT, .14ND,STL,ZN PL	E2043	4
206	WSHR,FLT, 7/16ODx.203IDx.032TH	E2228	3
207	PIN,SPRING, .19X .75,STL,CAD	E2236	4
208	WSHR,LOCK,SPR, .50ND,STL,CAD	E2240	2
209	WSHR,FLT, .52X1.13X.06THK,SST	E2254	4
210	SCR,SOC HD,CAP, .50-13X2.50,ZP	E4720	2
211	SCR,FLT HD,PHL, .38-16X1.00,SS	E7102	2
219	SWITCH,CAM,SPDT,115V,60HZ	3441	2
222	WICK,OIL	34130	1
223	RTNR,WICK,OIL,.88X 2.53SQ,BRS	34131	1
224	WSHR,SPHER,1.12X2.06,0.00R,XXX	34132	1
225	BEARING,THRUST, .50DX .93OD	34135	1
226	RACE,THRUST	34136	2
227	ROD,CONNECTING	34138	1
228	PLATE,THREADED	34160	2
229	PLATE,FLR,MPS PIT	35578	1
230	COUPLING,PLATE,FLR	35582	2
231	SUPPORT,FLR,PLT-STL	35583	2

DOOR PKG,MC4200,LHD/PM-60HZ (Continued)

Item	Description	Part Number	Qty
243	SLIDE,LIFTNUT	37824	1
244	STUD,SPACER	38655	4
245	ACTR,SW	38831	1
247	BEARING ASSY,DOOR LIFT	42411	1
249	LIFT ASSY,SCREW	44282	1
250	CLIP,THERMOSTAT BULB	49900	3

Assembly Number: 56202 (Rev. E)

DOOR PKG,HYDRO,MC4200-LHD/FM

Item	Description	Part Number	Qty
1	HOOK ASSY,HINGE,26X62	35700	1
2	HOOK ASSY,NON HINGE,26X62	35703	1
3	HOOK ASSY,TOP,NON HINGE,26X62	35706	1
4	SHAFT,GEAR MTR	35707	1
5	SHAFT,HORIZ,1.00X12.06 LG,SST	35708	2
6	SHAFT,HORIZ,1.00X14.81 LG,SST	35709	2
7	SHAFT,VERT,LH	35710	1
8	SHAFT,VERT,RH	35711	1
9	SHAFT,TOP,RH	35712	1
10	GEAR,MITER,ALIGN W/TOOTH	61301602128	4
11	GEAR.MITER,ALIGN BETWEEN TEETH	61301602129	4
14	BEARING,ECCENTRIC,BRONZE	26420	18
15	BEARING,ECCENTRIC,LIFT CAM	26421	2
16	CAM,LIFT HOOKED NON-HINGED	26422	4
18	LEVER ASSY	27900	1
19	LEVER ASSY,RH	26425	3
20	ROD,TOP & BTM,.38OD X13.50,SST	35713	2
21	ROD,TOP,SIDES,.38ODX25.06,SST	35714	2
22	ROD,BTM,SIDES,.38ODX33.31,SST	35715	2
23	SPRING,TORS,HEL,2.50D LH ,SST	26430	2
24	SPRING,TORS,HEL,2.50D RH,SST	26431	3
25	DETENT,MPS/BULK/PCLAVE DOOR	26433	2
26	STUD,.38DIAX3.00,SST	26434	2
27	DOG ASSY,DETENT CAM	26435	2
28	COLLAR,HEX	26436	2
29	SPRING,TORS,HEL, .67DX1.75L,SS	26437	2
31	WSHR,FLT, .39X .62X.03THK,STL	26446	6
32	WSHR,LOCK,INT, .25ND,STL,ZN PL	E2045	2
33	WSHR,LOCK,SPR, .31ND,STL,CAD	E0218	2
34	SCR,SOC HD,CAP, .31-18X1.50,ZP	E6524	2
35	PIN,GRV, .19X1.25,#1,STL,ZN	E6018	2
36	BLK ASSY,STOP	27753	1
37	PIN, .38NDX1.38,STL	26444	1
38	STOP ASSY,DOOR	35716	1
39	SCR,SET,OVL PT,SOC,.50-13X1.00	26445	18
40	SCR,SET,OVL PT,SOC,.50-13X1.50	28915	2
41	SPRING,ROLLER,BRONZE	28882	5
42	DOOR PLATE ASSY,MPS,W/O LIFT	60930	1
43	BRACE	32988	1
44	HINGE,1040 CASTING	26464	2
45	HOOK	26461	2
46	HOOK	27754	1
47	HOOK,MACHD,HINGE SIDE	26460	9
48	WSHR,FLT, .56X1.38X.09THK,ZNC	E0124	1

DOOR PKG,HYDRO,MC4200-LHD/FM (Continued)

Item	Description	Part Number	Qty
49	NUT,LOCK, .50-13,STL,CAD	E4881	3
50	RING,RETAIN,EXT,.38ND,#5133-37	E5530	22
51	SPACER,2.5""	35726	2
52	GSKT,DOOR,4200	517453	1
54	ADH,#3M SPRAY 77	37386	1
55	WSHR,SPCL,""D"	57070	1
56	COLLAR,1.00IDX1.62ODX .75 THK"	26465	12
57	BLOCK,SUPPORT,MPS	28479	3
58	PIN,INTRF, .38X3.44,STL	28478	3
59	PIN,COTTER, .09X .75,BRS,ZINC	E5378	6
60	COLLAR,SHAFT,1.00IDX3.50LG,CRS	28487	4
61	PIN,SPRING, .31X1.75,STL	E4797	12
62	KEY,WOODRUF, .18X .75,STL	E4892	32
64	BEARING,OILITE,.38DX.50DX1.00L	26262	4
65	COVER,OIL HOLE	32329	20
66	SLEEVE,BEARING	29226	18
67	BUSHING ASSY	27801	6
70	SCR,FLT HD,PHL, .25-20X .75,SS	E4842	8
72	SCR,SET,CUP PT, .25-20X .25,BO	E2142	4
74	RACE,THRUST	26529	34
75	BEARING,THRUST,1.00DX1.55OD	26530R	10
76	GEAR BOX ASSY,LH,26X62,MPS	36789	1
77	BRKT ASSY,LH	58270	1
84	SCR,HEX HD,CAP, .38-16X .75,SS	E5137	6
87	WSHR,SPR, .33X .49X.01THK,ZNC	E4796	2
91	PIN,GRV, .50X2.25,#4,STL,ZN	E4882	2
92	HOOK ASSY,BTM,P/C,26X62	35919	1
93	SCR,SET,CUP PT, .25-28X .25,BO	E4751	20
100	PLUG,SPEC , .19DIAX .12L,BRS	34991	20
101	SCR,SET,CUP PT, .25-20X1.00,BO	E2105	1
254	WSHR,FLT,1.06X2.00X.06THK,SST	E6989	5
255	PIN,COTTER, .19X2.00,SST	E6988	1

Assembly Number: 52758 (Rev. K)

DOOR PKG,MC4200,LHD/FM-60HZ

Item	Description	Part Number	Qty
30	SCR,SOC HD,CAP, .25-20X .50,CP	E5085	2
53	FBRGLS INSULTN 1.5 THK 48.0 WD	R0047	0.05
63	SCR,SET,CUP PT, .25-20X .38,ST	E2085	4
68	WSHR,FLT, .44X1.00X.09THK,ZNC	E0022	8
69	SCR,HEX HD,CAP, .38-16X1.50,SS	E5251	4
71	NAMEPLATE,LUBRICATION	29864	1
78	MOTOR AND BRACKET ASSY	536846	1
79	COLLAR,GEARBOX	35728	1
81	NUT,HEX, .25-20,STL,CAD	E5186	1
82	WSHR,FLT, .31X .75X.06THK,ZNC	E0123	4
83	UNIVERSAL JOINT	27826	2
84	SCR,HEX HD,CAP, .38-16X .75,SS	E5137	6
85	WSHR,LOCK,SPR, .38ND,STL,CAD	E5204	16
88	ROD,CONNECTING,.50DIA,SST	42387	1
96	PIN,SHAFT, .19X1.13,STL	28484	8
97	PIN,COTTER, .06X .75,STL	E4807	8
98	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	8
99	SCR,SET,CUP PT, .25-20X .19,BO	E2084	2
102	SCR,HEX HD,CAP, .25-20X .75,SS	E0215	4

36788 THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GETINGE/CASTLE, INC. ROCHESTER NY AND IS SUBJECT TO SEMD RETURNED UPON REQUEST. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF GETINGE/CASTLE, INC. ANY AUTHORIZED REPRODUCTION MUST BEAR THIS LEGAL LEGEND.

NOTES:

1. SHIM WORM WHEEL BETWEEN THRUST WASHER & ITEMS 24 & 25 OR BUSHING TO REDUCE END PLAY TO .002 MAX. CHECK MESH OF GEARS WITH COMPOUND.
2. CAMS SHOWN ON SHAFT ITEM 42. ORIENTATION OF CAM TO GEAR SET SCREW AS SHOWN.
3. ITEM NO. 20 SHALL BE ASSEMBLED TO THE GEAR BOX SUCH THAT THE MICRO SWITCH ROLLER ARM IN THE WORM CAM MAY MAKE AN ANGULAR MOVEMENT OF 4.5° IN THE INACTIVE CONDITION.
4. PLACE WASHER BETWEEN DOOR SWITCH ASSY. AND THE GEAR HOUSING, OPPOSITE THE WICK RETAINER.

SECTION E-E

SECTION D-D

SECTION C-C

VIEWS SHOWING ORIENTATION OF CAM ASSEMBLIES IN CLOSED & LOCKED POSITION OF DOOR. (SEE NOTE 2)

L	118280 U	DN	BH/K
K	119065	RR	10/28
J	118055	VH	3-1-67
H	117190 B	DM	2/1/67
G	115650-A	PN	1/23/67
F	113521	AN	12-21-66
E	113368	CM	12-5-66
D	ECO 108261	KV	5-2-66
C	ECO 107952	WRB	4-3-62
	CHANGES	BY	DATE

PRODUCT: MPS | NEXT HIGHER ASSY: | TITLE: GEAR BOX ASSY, R.H. DOOR | DATE: 8-25-72 | RELEASED: PJC

MATERIAL: | SCALE: FULL SIZE | APPROVED: 12/30/69 PJC

FINISH: NONE | PART NO.: | DRAWN:

ENGINEERING: 36788 DATE: 2-28-67 | CHECKED: | DATE: 12-26-72

ORIG. DATE: 3-1-67 | TOOLING: T03565 | GETINGE/CASTLE, INC. 927 E. HENRIETTA RD. ROCHESTER, NY 14623 | SIZE: A | 36788

36788L

Assembly Number: 36788 (Rev. L)

GEAR BOX ASSY,RH,26X62,P/C

Item	Description	Part Number	Qty
2	CAM,CTR	34152	1
3	CAM	26500	1
4	CAM,BTM	26501	1
5	HOUSING ASSY,BELLOWS	35789	1
6	WSHR,THR, .88X1.25X.08THK,BRZ	26524	2
7	KEY,SQ , .19X .19X .47,STL	26525	1
8	BEARING,NEEDLE,#DC, .88DX1.12	26527	1
9	BEARING,SLEEVE, .75DX .88DX .6	26528	2
10	RACE,THRUST	26529	4
11	BEARING,THRUST,1.00DX1.55OD	26530R	2
12	RACE,THRUST	26531	4
13	BEARING,THRUST, .52DX1.24OD	26532	2
14	GEAR,SPUR	26535	1
15	GEAR,IDLER	26536	1
16	WORM,LH	36687	1
17	BEARING,BRZE,.62DX.753OD	26542	1
18	PINION,IDLER	26544	1
19	SPINDLE,ARM LKG	32197	1
20	DOOR ASSY,SWITCH,RH,300X400,CT	64172	1
21	GEAR,WORM,LH	32093	1
22	GEAR,SPUR	32094	1
23	HOUSING,GEAR (MACHING)	32095	1
24	COLLAR ASSY	32099	1
25	COLLAR ASSY	32100	1
26	SHAFT,DR	32101	1
27	WICK,LUBRICATING	32103	1
29	KEY,SQ , .19X .19X1.00,STL	32111	1
30	SCR,SET,CUP PT, .25-20X .75,BO	E0169	1
31	WSHR,LOCK,INT, .25ND,STL,CAD	E2102	2
33	SCR,SOC HD,CAP, .25-20X .75,ZP	E2127	2
34	WSHR,SPR, .90X1.16X.00THK,STL	E4800	1
35	WSHR,SPR, .64X .88X.00THK,STL	E4801	1
36	PIN,SPRING, .25X1.25,STL,CAD	E4773	2
37	SCR,BTN HD,SOC, .19-32X .25,SS	E4874	6
38	RING,RETAIN,EXT, .88ND,#5100-8	E4891	2
39	SCR,FLT HD,SOC, .19-24X .62,ZP	E4897	8
42	SHAFT,CAM	32102	1

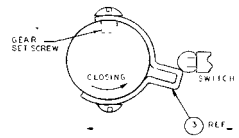
GEAR BOX ASSY,RH,26X62,P/C (Continued)

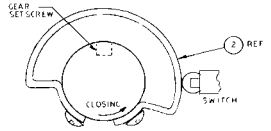
Item	Description	Part Number	Qty
43	SCR,HEX HD,CAP, .25-20X .25,ST	E6575	2
44	RTNR,WICK,.25X .75X 4.44SS	34259	2
46	SHIM, 1.0IDX1.5ODX .005TK	29610	4
47	SHIM, 1.0IDX1.5ODX .002TK	29611	4
48	SCR,SOC HD,CAP, .25-20X .50,CP	E5085	2
49	WSHR,FLT, .26X .75X.02THK,STL	E2022	1

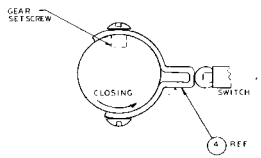
36789 THIS DRAWING CONTAINS PROPRIETARY INFORMATION OF STERILIZABLE INC. ROCHESTER NY, AND IS SUBMITTED TO BUYER UPON CONDITION THAT IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF STERILIZABLE, INC. ANY UNAUTHORIZED REPRODUCTION WOULD BEAR TYPE ENTIRE LEGEND

NOTES:

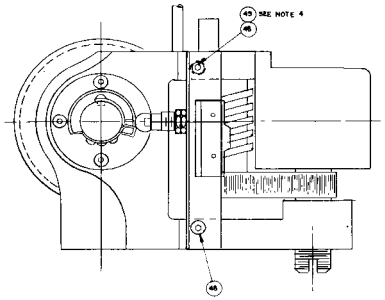
1. SHIM WORM WHEEL BETWEEN THRUST WASHER & ITEMS 24&25 OR BUSHING TO REDUCE END PLAY TO .002 MAX. CHECK MESH OF GEARS WITH COMPOUND
2. CAMS SHOWN ON SHAFT ITEM 42, ORIENTATION OF CAM TO GEAR SET SCREW LOCATION AS SHOWN.
3. ITEM NO 20 SHALL BE ASSEMBLED TO THE GEAR BOX SUCH THAT THE MICRO SWITCH ROLLER CLEARS THE WORM GEAR. CAM SHAFT BY 5/16" IN THE INACTIVE CONDITION.
4. PLACE WASHER BETWEEN DOOR SWITCH ASSY. AND THE GEAR HOUSING, OPPOSITE THE NICK RETAINER.

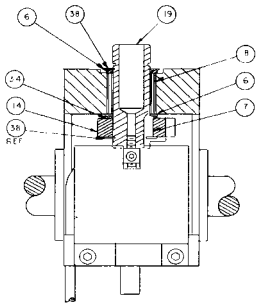




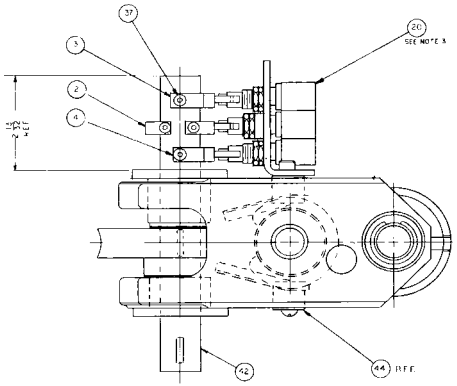


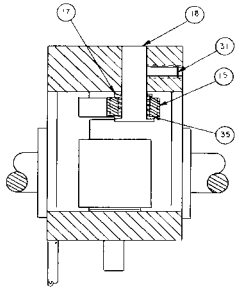
VIEWS SHOWING ORIENTATION OF CAM ASSEMBLIES IN CLOSED & LOCKED POSITION OF DOOR. (SEE NOTE 2)



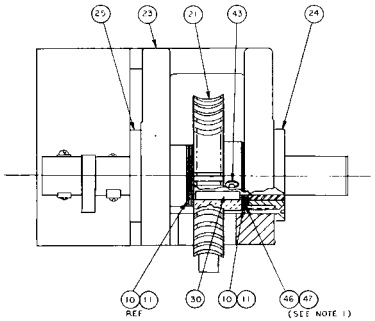


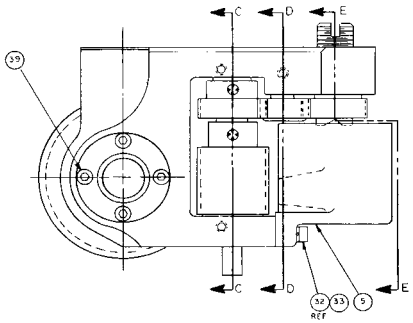
SECTION E E

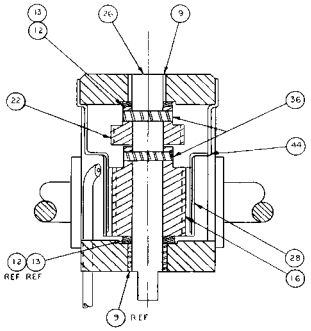




SECTION D D







SECTION C C

L	L182800	DN	8/4/70
K	119065	RR	3/5/68
J	[illegible]	SM	[illegible]
H	117190 B	DN	2/2/68
G	ECO 115850-2	PH	1/16/67
F	ECO 113524	JM	7/9/67
E	ECO 113368	CSB	6/8/67
D	ECO 107691	KF	9/23/66
C	ECO 107052	WAB	8/3/66
	CHANGES	BY	DATE

UNLESS ALL STATED DIMENSIONS ARE IN INCHES
TOLERANCES - 1/64

PROJECT	ASSY	NAME GEAR BOX ASSY, L.H. DOOR	DATE 8-25-72 BY PJC
MPS		MATERIAL	APPROVED
		FINISH NONE	SCALE FULL SIZE
		PURCHASING 36789 DATED 2-28-72	APPROVED
		FILL RATE 5-1-67	DRAWING NO 103565
35753 (1)		STERILIZABLE, INC. 1111 MARK TWAIN RD. ROCHESTER, NY 14623	PART NO 36789

36789

Assembly Number: 36789 (Rev. L)

GEAR BOX ASSY,LH,26X62,MPS

Item	Description	Part Number	Qty
2	CAM,CTR	34152	1
3	CAM	26500	1
4	CAM,BTM	26501	1
5	HOUSING ASSY,BELLOWS	35789	1
6	WSHR,THR, .88X1.25X.08THK,BRZ	26524	2
7	KEY,SQ , .19X .19X .47,STL	26525	1
8	BEARING,NEEDLE,#DC, .88DX1.12	26527	1
9	BEARING,SLEEVE, .75DX .88DX .6	26528	2
10	RACE,THRUST	26529	4
11	BEARING,THRUST,1.00DX1.55OD	26530R	2
12	RACE,THRUST	26531	4
13	BEARING,THRUST, .52DX1.24OD	26532	2
14	GEAR,SPUR	26535	1
15	GEAR,IDLER	26536	1
16	WORM,LH	36687	1
17	BEARING,BRZE,.62DX.753OD	26542	1
18	PINION,IDLER	26544	1
19	SPINDLE,ARM LKG	32197	1
20	DOOR ASSY,SWITCH,LH,300X400,CT	64174	1
21	GEAR,WORM,LH	32093	1
22	GEAR,SPUR	32094	1
23	HOUSING,GEAR (MACHING)	32095	1
24	COLLAR ASSY	32099	1
25	COLLAR ASSY	32100	1
26	SHAFT,DR	32101	1
28	WICK,LUBRICATING	32103	1
30	KEY,SQ , .19X .19X1.00,STL	32111	1
31	SCR,SET,CUP PT, .25-20X .75,BO	E0169	1
32	WSHR,LOCK,INT, .25ND,STL,CAD	E2102	2
33	SCR,SOC HD,CAP, .25-20X .75,ZP	E2127	2
34	WSHR,SPR, .90X1.16X.00THK,STL	E4800	1
35	WSHR,SPR, .64X .88X.00THK,STL	E4801	1
36	PIN,SPRING, .25X1.25,STL,CAD	E4773	2
37	SCR,BTN HD,SOC, .19-32X .25,SS	E4874	6
38	RING,RETAIN,EXT, .88ND,#5100-8	E4891	2
39	SCR,FLT HD,SOC, .19-24X .62,ZP	E4897	8
42	SHAFT,CAM	32127	1

GEAR BOX ASSY,LH,26X62,MPS (Continued)

Item	Description	Part Number	Qty
43	SCR,HEX HD,CAP, .25-20X .25,ST	E6575	2
44	RTNR,WICK,.25X .75X 4.44SS	34259	2
46	SHIM, 1.0IDX1.5ODX .005TK	29610	4
47	SHIM, 1.0IDX1.5ODX .002TK	29611	4
48	SCR,SOC HD,CAP, .25-20X .50,CP	E5085	2
49	WSHR,FLT, .26X .75X.02THK,STL	E2022	1

Section 5 Electrical Package

This section contains an illustrated parts breakdown for the Electrical Package:

- 833HCMC Mod Package
  - Single Door
  - Double Door
- Power Box 1A
- Control Box 2A
- I/F Box 15A/16A
- I/F Box 31A/32A

Drawing NONE

Assembly Number: 61301609528 (Rev. A)

MOD PKG,833HCMC,SD

Item	Description	Part Number	Qty
1	BEZEL,NAMEPLATE	61301601158	1
2	LABEL,ID,833HCMC	61301609530	1
3	LABEL,BURN HAZARD,STEAM & H20	61301602908	1
4	LABEL,WARNING,LOAD TYPE	61301609118	1
5	CONTROL BOX ASSY,WS	61301608019	1
6	XDCR,PRESS,PACS	61301600636	1
7	LABEL,IMPORTANT DOCUMENTATION	61301601268	1
8	PWR BOX ASSY,WS	61301608498	1
9	BOX ASSY,I/F,4200-PACS3000	61301609524	1
10	XDCR,RTD,100 OHM,4 WIRE	61301600638	2
11	COIL,SOL,24V,238-212-005,6.1W	61301600153	2
12	COIL,SOL,24V,238-612-005,10.1W	61301600155	2
13	COIL,SOL,24V,238-812-005,10.1W	61301600157	3
14	CORD ASSY,SV,4FT	61301600339	2
15	CORD ASSY,SV,6FT	61301600340	4
16	CORD ASSY,MLX 2/4/6-WIRE,6’	61301608705	1
17	CORD ASSY,JUMPER,1,2	61301600775	3
18	CORD ASSY,MLX1,4-MLX1,4,3’	61301601405	2
19	CORD ASSY,MLX2,3-MLX2,3,72""	61301604713	2
20	BRKT,MTG,CONT BOX,16"",PACS	61301600317	2
21	BRKT,POWER BOX MTG,TOP	61301609598	1
22	PLATE,POWER BOX MTG,BOTTOM	61301609599	1
23	SOFT KIT,833HCMC,STD	61301609572	1
25	WIRE ASSY,16 AWG,W,14""	61301601242	3
26	CORD ASSY,MLX,1/3/4-BARE,8’	61301608435	1
27	CORD ASSY,MLX,1/3/4-BARE,4’	61301608430	1
28	CORD ASSY,MLX,2/3-BARE,4’	61301608431	1
29	CORD ASSY,MLX,2/3/4-BARE,6’	61301608432	1
30	CORD ASSY,PRESS XDCR,4’	61301600847	1
31	CORD ASSY,MLX 2/3-TERMS,7’	61301601372	1
33	DISPLAY PKG,833MC,CE	61301609531	1
34	LABEL PKG,CORDS,833HCMC	61301609532	1
35	PLATE,SOL VALVE,BLANK,SMALL	61301609602	2
36	LABEL,SOLENOID VALVES,833HCMC	61301609603	1
37	SCR,HEX HD,CAP, .25-20X .75,SS	E0215	20
38	NUT,HEX, .25-20,SST	E2239	20
39	WSHR,FLT, .25 NOM ID,SST	E7023	20
40	WSHR,LOCK,SPR, .25ND,SST	E4671	20

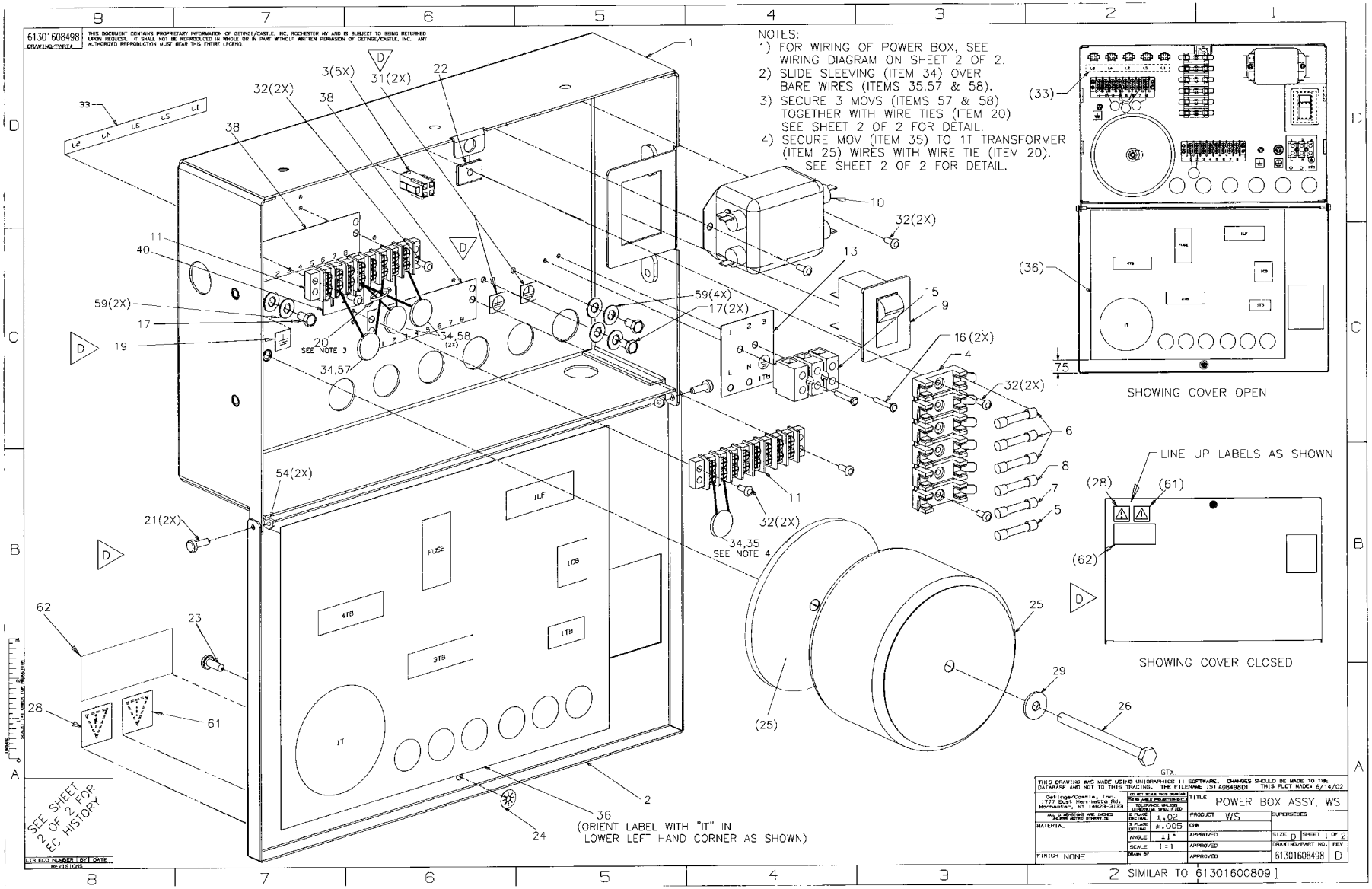
MOD PKG,833HCMC,SD (Continued)

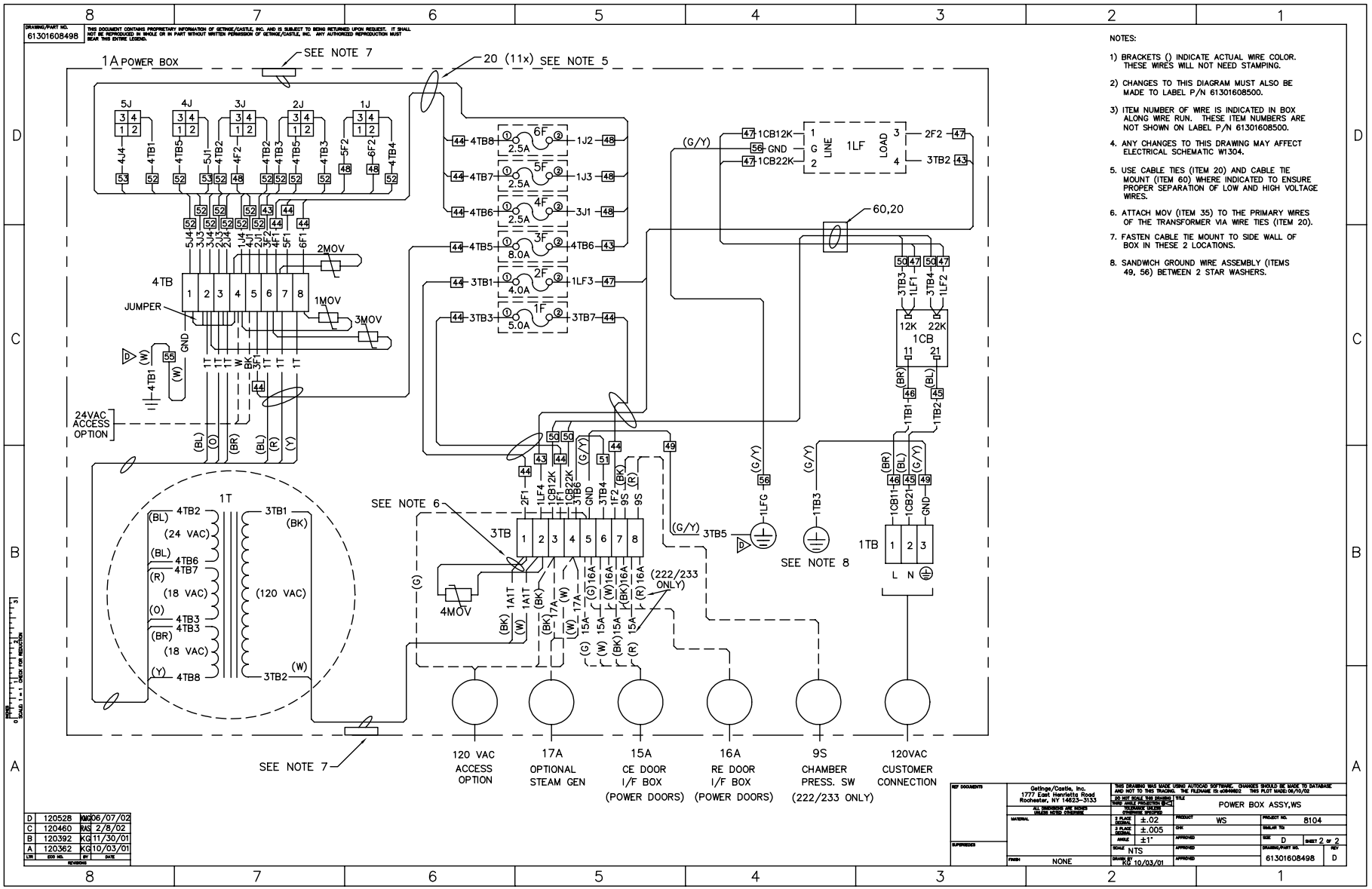
Item	Description	Part Number	Qty
41	PLATE,SOL VALVE,BLANK,LARGE	61301609605	4
42	TAG,WARNING,LOADS/CHMBR ACCESS	61301608982	1
43	RIVET,POP,DOMED, .12X .23,SST	E7048	6
44	ADPTR,PERSS,XDCR,1.25,BRASS	61301600187	1
45	FITTING,PROBE SEG,GLAND,0.093	61301600414	2
46	NIPPLE,CLOSE, .25NPT,BRS	12365	1
47	RDCR,BSHG, .38MPX .25FP,BRS	47433	1
48	CORD ASSY,15A-2A,4’	61301602029	1
49	CORD ASSY,PRT,108"",WS	61301608334	1
50	CORD ASSY,OP30,4’,WS	61301608359	1
51	LABEL,CNTRL BOX,I/O,833HCMC	61301609617	1
52	CTN,SHPNG,RSC,4.50X10.50X2.75	24015	1
53	CTN,SHPNG,RSC,14.50X5.25X3.88	24082	1
54	CTN,SHPNG,RSC,19X13.25X29.12	24301	1
55	TB,P, .75ID,POLYESTER	61301601376	1
56	TIE,CABLE	45572R	25
57	SEAL,XDUCER,KELLER	61301609008	1
58	BUSHING,STRAIN RELIEF	52259	3
59	PLUG,HOLE,DOUBLE ""D""	61301602164	1
60	SCR,FLT HD,PHL, .14-32X .50,SS	E7119	5
61	WSHR,LOCK,SPR, .14ND,STL,CAD	E4788	5
62	NUT,HEX, .14-32,SST	E5180	5

Assembly Number: 61301609529 (Rev. A)

MOD PKG,833HCMC,DD ADD-ON

Item	Description	Part Number	Qty
1	BEZEL,NAMEPLATE	61301601158	1
2	LABEL,ID,833HCMC	61301609530	1
3	LABEL,BURN HAZARD,STEAM & H20	61301602908	1
4	LABEL,WARNING,LOAD TYPE	61301609118	1
9	BOX ASSY,I/F,4200-PACS3000	61301609524	1
16	CORD ASSY,MLX 2/4/6-WIRE,6’	61301608705	1
19	CORD ASSY,MLX2,3-MLX2,3,72""	61301604713	2
20	CORD ASSY,ADAPTER,2A10PI,DD,WS	61301608429	2
25	WIRE ASSY,16 AWG,W,14""	61301601242	1
33	DISPLAY PKG,833MC,RE	61301609579	1
35	CORD ASSY,MLX1,4-MLX1,4,6’	61301601563	2
36	CORD ASSY,4-COND,BARE,20’	61301608512	1
37	CORD ASSY,MLX 1-3/4-BARE,20’	61301608700	1
38	CORD ASSY,MLX 2/3-BARE,20’	61301608704	1
39	BRKT,CONDUIT BOX MTG,SOL,MC MP	87730	1
40	TAG,WARNING,LOADS/CHMBR ACCESS	61301608982	1
41	RIVET,POP,DOMED, .12X .23,SST	E7048	4
42	CORD ASSY,15A-2A,4’	61301602029	1
43	CORD ASSY,OP30,4’,WS	61301608359	1
44	SCR,HEX HD,CAP, .25-20X .75,SS	E0215	2
45	WSHR,LOCK,SPR, .25ND,MNL	E5261	2
46	NUT,HEX, .25-20,STL,CAD	E5186	2
47	WSHR,FLT, .26X .75X.02THK,STL	E2022	2


NOTES:
1) FOR WIRING OF POWER BOX, SEE WIRING DIAGRAM ON SHEET 2 OF 2.
2) SLIDE SLEEVING (ITEM 34) OVER BARE WIRES (ITEMS 35,57 & 58).
3) SECURE 3 MOVS (ITEMS 57 & 58) TOGETHER WITH WIRE TIES (ITEM 20) SEE SHEET 2 OF 2 FOR DETAIL.
4) SECURE MOV (ITEM 35) TO 1T TRANSFORMER (ITEM 25) WIRES WITH WIRE TIE (ITEM 20). SEE SHEET 2 OF 2 FOR DETAIL.
SHOWING COVER OPEN
SHOWING COVER CLOSED
LINE UP LABELS AS SHOWN
(ORIENT LABEL WITH "IT" IN LOWER LEFT HAND CORNER AS SHOWN)
SEE SHEET 2 OF 2 FOR EC HISTORY
POWER BOX ASSY, WS
61301608498
SIMILAR TO 61301600809


1A POWER BOX
SEE NOTE 7
20 (11x) SEE NOTE 5
NOTES:
1) BRACKETS () INDICATE ACTUAL WIRE COLOR. THESE WIRES WILL NOT NEED STAMPING.
2) CHANGES TO THIS DIAGRAM MUST ALSO BE MADE TO LABEL P/N 61301608500.
3) ITEM NUMBER OF WIRE IS INDICATED IN BOX ALONG WIRE RUN. THESE ITEM NUMBERS ARE NOT SHOWN ON LABEL P/N 61301608500.
4. ANY CHANGES TO THIS DRAWING MAY AFFECT ELECTRICAL SCHEMATIC W1304.
5. USE CABLE TIES (ITEM 20) AND CABLE TIE MOUNT (ITEM 60) WHERE INDICATED TO ENSURE PROPER SEPARATION OF LOW AND HIGH VOLTAGE WIRES.
6. ATTACH MOV (ITEM 35) TO THE PRIMARY WIRES OF THE TRANSFORMER VIA WIRE TIES (ITEM 20).
7. FASTEN CABLE TIE MOUNT TO SIDE WALL OF BOX IN THESE 2 LOCATIONS.
8. SANDWICH GROUND WIRE ASSEMBLY (ITEMS 49, 56) BETWEEN 2 STAR WASHERS.
5J
4J
3J
2J
1J
2MOV
4TB
JUMPER
1MOV
3MOV
24VAC ACCESS OPTION
1T
4TB2
(24 VAC)
4TB6
4TB7
(18 VAC)
4TB3
4TB3
(18 VAC)
4TB8
3TB1
(120 VAC)
3TB2
SEE NOTE 6
3TB
4MOV
1LF
1CB12K
1CB22K
GND
LINE
LOAD
2F2
3TB2
60,20
1CB
12K
22K
11
21
3TB3
1LF1
3TB4
1LF2
1TB1
1TB2
3TB5
1LFG
1TB3
SEE NOTE 8
1TB
L N
1CB11
1CB21
GND
(222/233 ONLY)
SEE NOTE 7
120 VAC ACCESS OPTION
17A OPTIONAL STEAM GEN
15A CE DOOR I/F BOX (POWER DOORS)
16A RE DOOR I/F BOX (POWER DOORS)
9S CHAMBER PRESS. SW (222/233 ONLY)
120VAC CUSTOMER CONNECTION
DRAWING/PART NO. 61301608498
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D 120528 MK 06/07/02
C 120460 RAS 2/8/02
B 120392 KG 11/30/01
A 120362 KG 10/03/01
Getinge/Castle, Inc.
1777 East Henrietta Road
Rochester, NY 14623-3133
POWER BOX ASSY,WS
NONE
NTS
8104
61301608498
D
SHEET 2 of 2

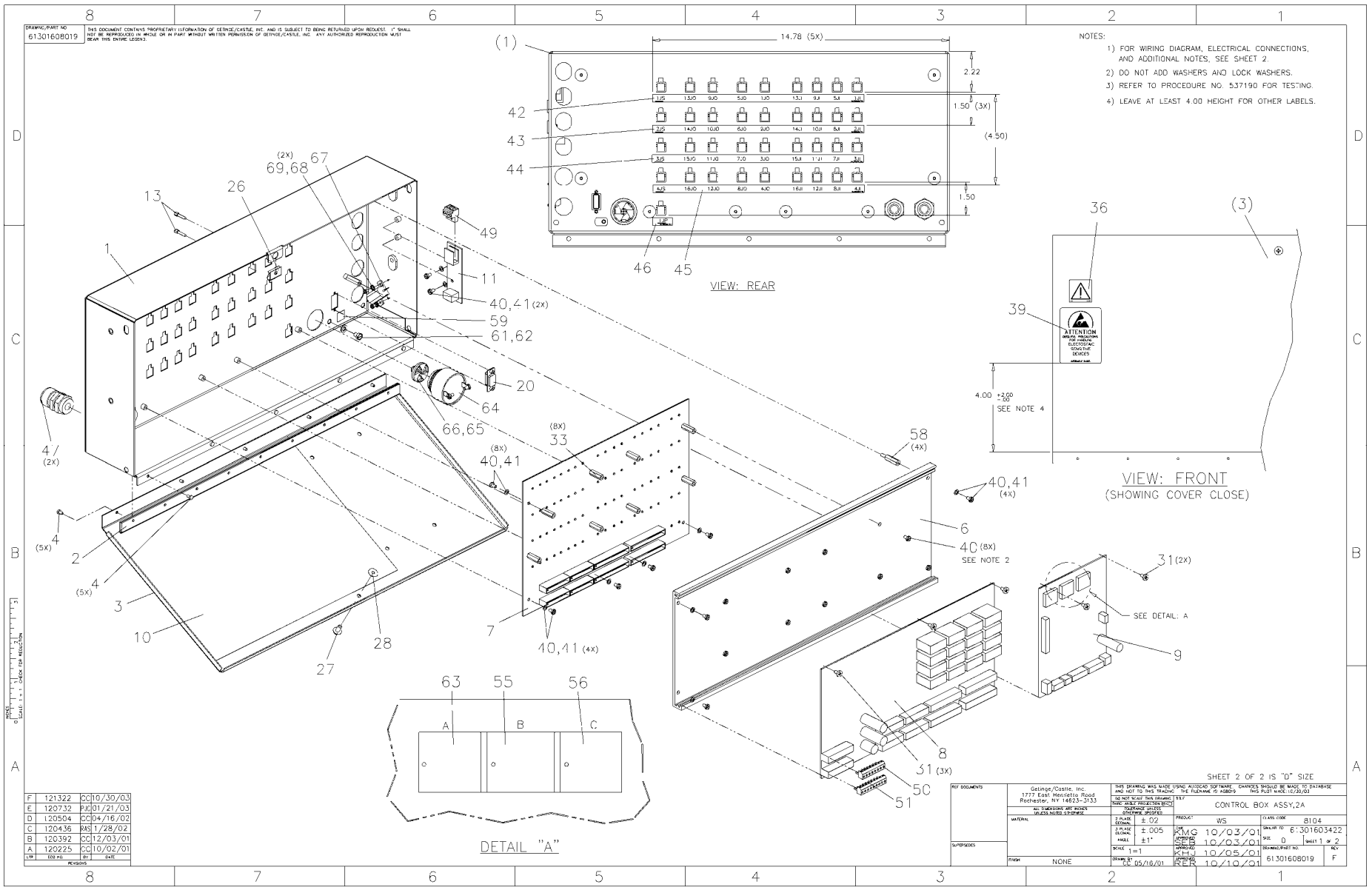
Assembly Number: 61301608498 (Rev. D)

PWR BOX ASSY,WS

Item	Description	Part Number	Qty
1	BOX,POWER,WS	61301608499	1
2	COVER,BOX POWER,PACS	61301600413	1
3	HOUSING,MLX,4-CRKT W/MTG EARS	523154	5
4	BLK,FUSE,6 POSITION	61301600870	1
5	FUSE,5.0A,250V, .25DX1.25,T/D	530837	1
6	FUSE,2.5A,250V,.25DIAx1.25,T/D	61301600654	3
7	FUSE,4.0A,250V,.25DIAx1.25,T/D	61301600655	1
8	FUSE,8.0A,250V, .25DX1.25,T/D	530838	1
9	BRKR,CIR,15A	61301600349	1
10	FILTER,REI,120/250VAC,6A	61301600679	1
11	TERM,BLK,8 POLE,20A,150V	61301600660	2
13	INSULATOR,TERM,BLK,L-N-G	61301600324	1
14	CLAMP,SMALL	67949R	2
15	STRIP,TERM,3 WAY	86591	1
16	SCR,PAN HD,PHL, .11-40X .75,SS	E6900	2
17	SCR,GROUND, .19-32X .38,ST	E6645	3
19	LABEL,FUNCTIONAL GROUND	86714	1
20	TIE,CABLE	45572R	11
21	SCR,PAN HD,PHL, .16-32X .50,SS	E6835	2
22	RECEPTACLE,CLIP-ON	539034	1
23	SCR,QUICK OPENING, .42LG	539035	1
24	RET,SCR,QUICK OPENING	539036	1
25	XFMR,TOROID,120Vx18/24V,370VA	61301600499	1
26	SCR,HEX HD,CAP, .25-20X2.25,SS	E7171	1
27	LABEL,USE CU CONDUCTORS,60 C	60667R	1
28	LABEL,SHOCK,INT'L	539428	1
29	WSHR,FLT, .26X .50X.06THK,SST	E2177	1
30	LABEL,CAUTION,CKT	61453	1
31	LABEL,EARTH GROUND	65723R	2
32	SCR,PAN HD,PHL, .14-32X .38,SS	E5013	8
33	LABEL,PWR BOX,1J-5J	61301600810	1
34	TB P .060 .012 WALL 5 CL R	R3446	1
35	SUPPR,MOV,150VAC	61301600982	1
36	LABEL,WIRING DIA,1A BOX,WS	61301608500	1
38	INSULATOR,TERM,BLK,1-8	61301600572	2
40	ZZ TERM JUMPER STRIP,(25POS) R	R2296	0.16
43	WIRE ASSY,16 AWG,W,12""	61301601646	2
44	WIRE ASSY,16 AWG,W,6""	61301601647	7
45	WIRE ASSY,14 AWG,BL,4""	61301601648	1
46	WIRE ASSY,14 AWG,BR,4""	61301601649	1

PWR BOX ASSY,WS (Continued)

Item	Description	Part Number	Qty
47	WIRE ASSY,16 AWG,W,10""	61301601650	3
48	WIRE ASSY,16 AWG,W,12""	61301601651	3
49	WIRE ASSY,14 AWG,G/Y,4""	61301601652	3
50	WIRE ASSY,16 AWG,W,9""	61301601653	2
51	WIRE ASSY,16 AWG,W,4""	61301601654	1
52	WIRE ASSY,16 AWG,W,5""	61301601655	8


DRAWING/PART NO 61301608019
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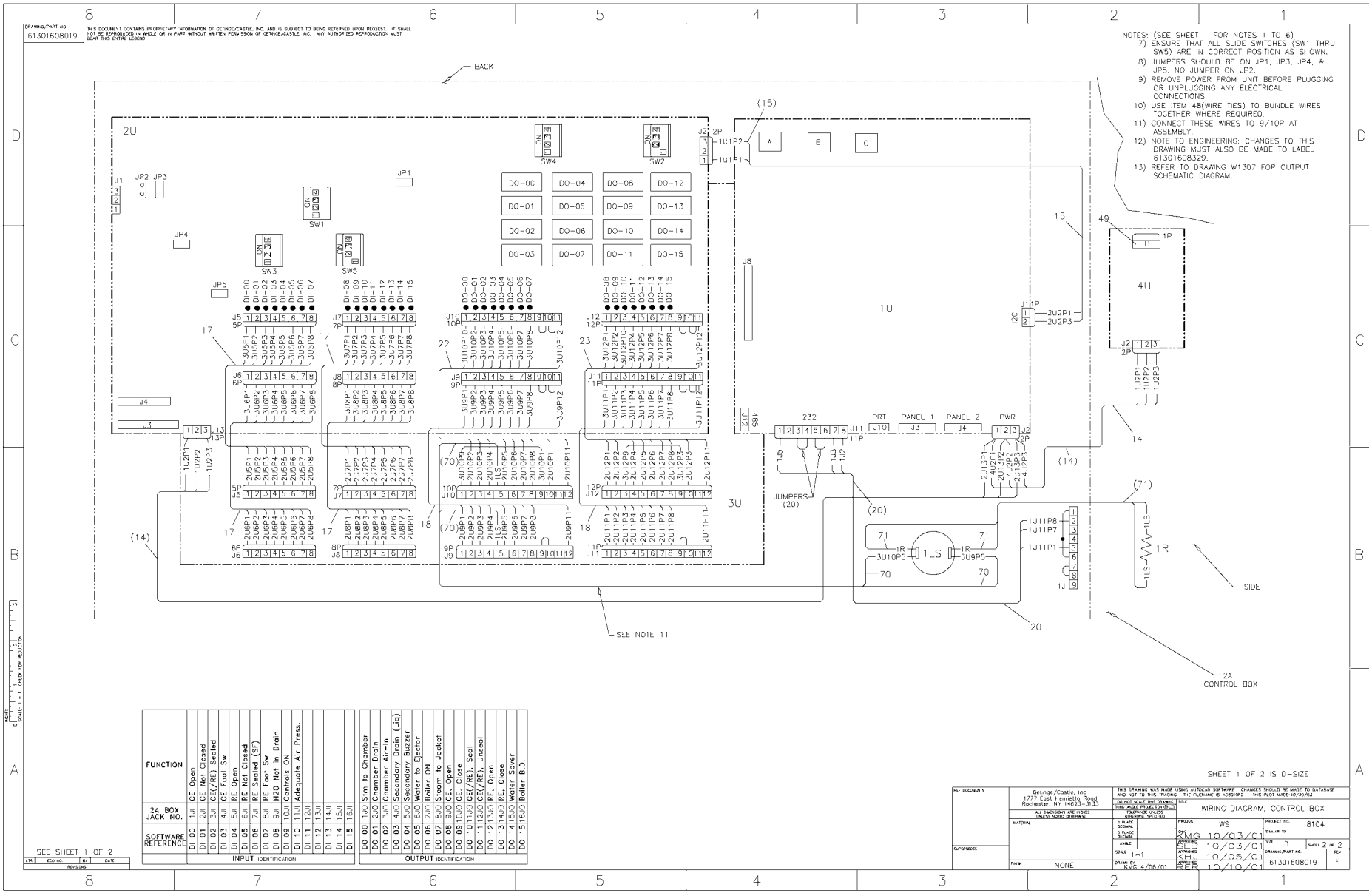
NOTES:
1) FOR WIRING DIAGRAM, ELECTRICAL CONNECTIONS, AND ADDITIONAL NOTES, SEE SHEET 2.
2) DO NOT ADD WASHERS AND LOCK WASHERS.
3) REFER TO PROCEDURE NO. 537190 FOR TESTING.
4) LEAVE AT LEAST 4.00 HEIGHT FOR OTHER LABELS.
VIEW: REAR
VIEW: FRONT
(SHOWING COVER CLOSE)
DETAIL "A"
SEE DETAIL: A
SEE NOTE 2
SEE NOTE 4
ATTENTION
Getinge/Castle, Inc.
1777 East Henrietta Road
Rochester, NY 14623-3133
CONTROL BOX ASSY,2A
SHEET 2 OF 2 IS "D" SIZE
61301608019

REVISIONS			
LTR	ECO NO.	BY	DATE
F	121322	CC	10/30/03
E	120732	PJC	01/21/03
D	120504	CC	04/16/02
C	120436	RAS	1/28/02
B	120392	CC	12/03/01
A	120225	CC	10/02/01



FUNCTION																
2A BOX JACK NO.	1J1	2J1	3J1	4J1	5J1	6J1	7J1	8J1	9J1	10J1	11J1	12J1	13J1	14J1	15J1	16J1
SOFTWARE REFERENCE	DI 00	DI 01	DI 02	DI 03	DI 04	DI 05	DI 06	DI 07	DI 08	DI 09	DI 10	DI 11	DI 12	DI 13	DI 14	DI 15
	CE Open	CE Not Closed	CE(/RE) Sealed	CE Foot Sw	RE Open	RE Not Closed	RE Sealed (SF)	RE Foot Sw	H2O Not In Drain	Controls ON	Adequate Air Press.					

INPUT IDENTIFICATION

FUNCTION																
	DO 00	DO 01	DO 02	DO 03	DO 04	DO 05	DO 06	DO 07	DO 08	DO 09	DO 10	DO 11	DO 12	DO 13	DO 14	DO 15
	Stm. to Chamber	Chamber Drain	Chamber Air-In	Secondary Drain (Liq.)	Secondary Buzzer	Water To Ejector	Boiler ON	Steam to Jacket	CE, Open	CE, Close	CE(/RE), Seal	CE(/RE), Unseal	RE, Open	RE, Close	Water Saver	Boiler B.D.
	1J2	2J2	3J2	4J2	5J2	6J2	7J2	8J2	9J2	10J2	11J2	12J2	13J2	14J2	15J2	16J2

OUTPUT IDENTIFICATION

REVISIONS	LTR	ECO NO.	BY	DATE												

SCALE: 1 = 1 CHECK FOR REDUCTION

Assembly Number: 61301608019 (Rev. F)

CONTROL BOX ASSY,WS

Item	Description	Part Number	Qty
1	BOX,CONTROL,WS	61301608016	1
2	HINGE,CONT BOX,PACS	61301600160	1
3	COVER,BOX,CONTROL,WS	61301608378	1
4	RIVET,POP,DOMED, .12X .23,SST	E7048	10
6	SPRT,PCB,18.12 LG EXT,PACS	61301600161	1
7	POB ASSY,I/O I/F,PACS	61301600263	1
8	PCB,CMI.PACS	61301600314	1
9	PCB,CPU,WS	61301608297	1
10	LABEL,CONTROL BOX,WS	61301608329	1
11	PCB,EMI FILTER,18VAC,PACS	61301600312	1
13	SCR,LCK,M/F,#4-40	61301600665	2
14	HARNESS ASSY,18VAC,4U-1U&2U,WS	61301608439	1
15	HARNESS ASSY,I2C,1U-2U,WS	61301608331	1
17	HARNESS ASSY,INPUTS,2U-3U	61301600518	4
18	HARNESS ASSY,2U-3UJ9,WS	61301608333	2
20	HARNESS ASSY,1U-2A1J	61301608330	1
22	HARNESS ASSY,OUTPUT,2U-2UJ10	61301600540	1
23	HARNESS ASSY,2U-3UJ12,WS	61301608332	1
26	RECEPTACLE,CLIP-ON	539034	1
27	SCR,QUICK OPENING, .42LG	539035	1
28	RET,SCR,QUICK OPENING	539036	1
31	SCR,S/TP,PAN HD,.14-32X .25,SS	E5729	5
33	STANDOFF,HEX, .14-32X .50LG,SS	61301608582	8
36	LABEL,ATTENTION,INT'L	539427	1
37	PATENT PLATE,STER (MC)	86736	1
38	LABEL,CAUTION,CKT	61453	1
39	LABEL,ESD,REUSABLE	539366	1
40	SCR,PAN HD,PHL, .14-32X .25,SS	E5010	26
41	WSHR,LOCK,INT, .14ND,SST	E7384	18
42	LABEL,IDENT,CONT BOX,1JS	61301600790	1
43	LABEL,IDENT,CONT BOX,2JS	61301600794	1
44	LABEL,IDENT,CONT BOX,3LS	61301600795	1
45	LABEL,IDENT,CONT BOX,4JS	61301600796	1
46	LABEL,IDENT,CONT BOX,1JP	61301600797	1
47	CONN,LIQ-TIGHT,.80DIA MTG	69003	2
48	TIE,CABLE	33511R	12
49	TERM,CONN,3 POS	61301600449	1
50	CONN,PLUG-IN,8 PIN	61301600266	1
51	CONN,PLUG-IN,9 PIN	61301600268	1
55	FLASH MEM,V3.09,SKT B,OS,WS	61301609310	1
56	FLASH MEM,V3.09,SKT C,OS,WS	61301609311	1

CONTROL BOX ASSY,WS (Continued)

Item	Description	Part Number	Qty
58	STANDOFF,M/F, .14-32X .56LG,SS	61301608581	4
59	LABEL,FUNCTIONAL GROUND	86714	1
61	WSHR,LOCK,INT, .19ND,SST	E7385	1
62	SCR,GROUND, .19-32X .38,ST	E6645	1
63	FLASH,MEM,BLANK,512KX8	61301608417	1
64	ALARM,CONTINUOUS TONE,4-28ACDC	61301602232	1
65	CONT,VOLUME,ALARM	61301603152	1
66	SCR,PAN HD,PHL, .16-32X .50,SS	E6835	1
67	RESISTOR,PWR,25W,1K	61301603129	1
68	SCR,PAN HD,PHL, .11-40X .19,SS	E4665	2
69	WSHR,LOCK,INT, .14ND,STL,ZN PL	E2043	2
70	WIRE ASSY,16 AWG,W,12""	61301603261	2
71	WIRE ASSY,16 AWG,W,8""	61301603262	2

PART NO
512041

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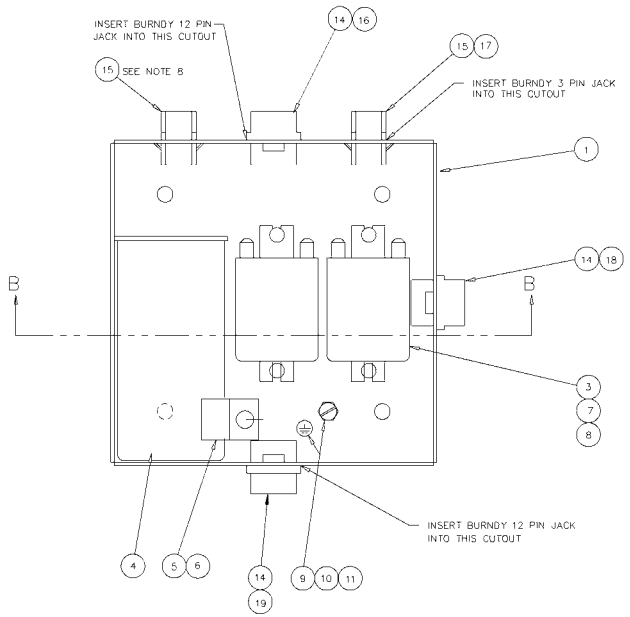
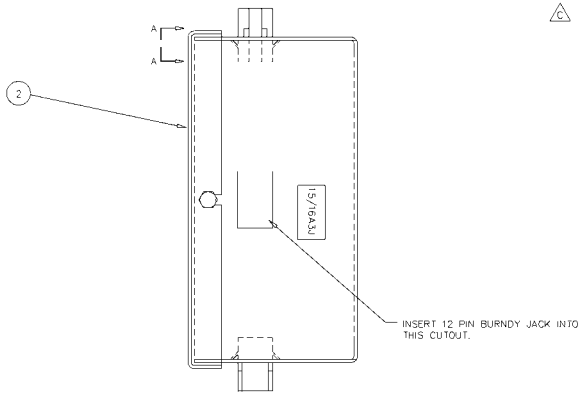
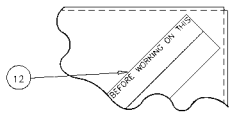

INSERT BURNDY 12 PIN JACK INTO THIS CUTOUT
SEE NOTE 8
INSERT BURNDY 3 PIN JACK INTO THIS CUTOUT
INSERT BURNDY 12 PIN JACK INTO THIS CUTOUT
B
B

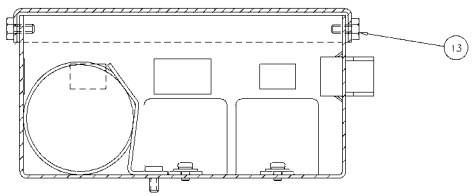


△C

5) ROUTE WIRES AS SHOWN ON WIRING DIAGRAM 511337.
6) USE ITEM 23 (WIRE TIES) INSIDE BOX WHERE REQUIRED TO DRESS WIRES.
7) SECURE NEUTRAL WIRES TOGETHER WITH WIRE NUT (ITEM 26).
8) BLANK CONNECTOR USED AS HOLE PLUG.



VIEW A-A



SECTION B-B

REVISIONS			
LTR	ECO NO	BY	DATE
C	1210.36	KC	02/05/03
B	1167208	DC	4/8/91
A	115949	JH	10/7/88
REL	115636	HJ	11/18/87

DO NOT SCALE THIS DRAWING	MATERIAL	THIS DRAWING WAS MADE USING AUTOCAD SOFTWARE. CHANGES SHOULD BE MADE TO DATABASE AND NOT TO THIS DRAWING. THE FILENAME IS 512041C. THIS PLOT MADE: 02/05/03	
		BREAK ALL EDGES	TITLE DOOR INTERFACE BOX ASSY, 42--,PIT
		TOLERANCE UNLESS OTHERWISE SPECIFIED	
		3 PLACE DECIMAL ± .02	PRODUCT MPS UPGRADE
	FINISH NONE	2 PLACE DECIMAL ± .005	CHK R.STEINER 3/10/87
		ANGLE ±1°	APPROVED F. ELLIS 3/20/87
		SCALE 1-1	APPROVED G. KUHN 3/23/87
NEXT ASSEMBLY	QTY PER ASSEMBLY	DRAWN BY 3/2/87 E.DAY	APPROVED F. NORTON 3/31/87

Technology for Life

SIZE D | SHEET 1 OF 1
DRAWING/PART NO. 512041 | REV C

512041C

Assembly Number: 512041 (Rev. C)

BOX ASSY,I/F,DR,42--,PIT MTD

Item	Description	Part Number	Qty
1	BOX,I/F,DOORS	512042	1
2	COVER,I/F BOX	512043	1
3	RELAY,120VAC,15AMPS	62313	2
4	CAPACITOR,MTR RUN,250VAC	60788	1
5	CLIP,RETAINING,CAPACITOR	60789	1
6	SCR,PAN HD,PHL, .16-32X .38,SS	E5027	1
7	SCR,PAN HD,PHL, .14-32X .19,SS	E5008	4
8	WSHR,LOCK,INT, .14ND,STL,ZN PL	E2043	4
9	LABEL,EARTH GROUND	65723R	1
10	WSHR,CUP, .21X .54X.03THK,BRS	61419R	1
11	SCR,GROUND, .19-32X .38,ST	E6645	1
12	LABEL,CAUTION,CKT	61453	1
13	SCR,HEX HD,CAP, .16-32X .31,SS	E6870	2
14	CONN,JACK,12 CONTACT	78399	3
15	CONN,JACK, 3 CONTACT	78397	2
16	DECAL,JACK,15/16A1J	512044	1
17	DECAL,JACK,15/16A2J	512045	1
18	DECAL,JACK,15/16A3J	512046	1
19	DECAL,JACK,15/16A4J	512047	1
20	WIRE PKG,I/F BOX,42--,PIT MTD	61301605233	1
23	TIE,CABLE	33511R	3
26	NUT,WIRE,2#18MIN,2#16MAX	B0105	1

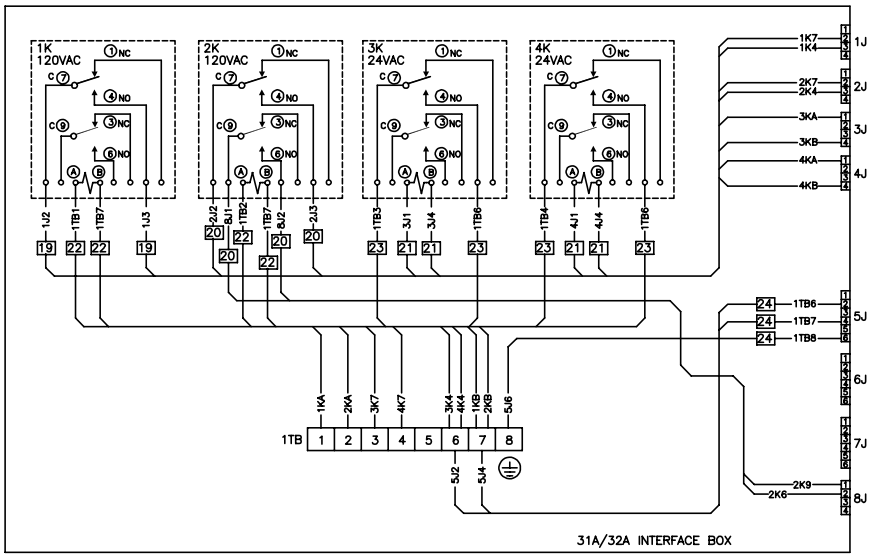
Assembly Number: 512055 (Rev. B)

BOX ASSY,I/F,4233,DD

Item	Description	Part Number	Qty
1	BOX,I/F,DOORS	512042	1
2	COVER,I/F BOX	512043	1
3	RELAY,120VAC,15AMPS	62313	2
4	CAPACITOR,MTR RUN,250VAC	60788	1
5	CLIP,RETAINING,CAPACITOR	60789	1
6	SCR,PAN HD,PHL, .16-32X .38,SS	E5027	1
7	SCR,PAN HD,PHL, .14-32X .19,SS	E5008	4
8	WSHR,LOCK,INT, .14ND,STL,ZN PL	E2043	4
9	LABEL,EARTH GROUND	65723R	1
10	WSHR,CUP, .21X .54X.03THK,BRS	61419R	1
11	SCR,GROUND, .19-32X .38,ST	E6645	1
12	LABEL,CAUTION,CKT	61453	1
13	SCR,HEX HD,CAP, .16-32X .31,SS	E6870	2
14	CONN,JACK,12 CONTACT	78399	3
15	CONN,JACK, 3 CONTACT	78397	2
16	DECAL,JACK,15/16A1J	512044	1
17	DECAL,JACK,15/16A2J	512045	1
18	DECAL,JACK,15/16A3J	512046	1
19	DECAL,JACK,15/16A4J	512047	1
20	WIRE PKG,DOOR IF BOX,42--	61301605308	1
23	TIE,CABLE	33511R	3
26	NUT,WIRE,2#18MIN,2#16MAX	B0105	1

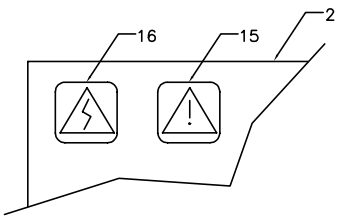
DRAWING/PART NO. 61301609524
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GETINGE SOURCING LLC AND IS SUBJECT TO BEING RETURNED UPON REQUEST. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF GETINGE SOURCING LLC. ANY AUTHORIZED REPRODUCTION MUST BEAR THIS ENTIRE LEGEND.

IMPORTANT NOTE:
CHANGES TO THIS DRAWING MAY ALSO EFFECT LABEL PART NO. 61301609278 WHICH IS WIRING DIAGRAM INFO WITHOUT BILL OF MATERIAL ITEM NUMBERS AND OTHER MFG INFORMATION.

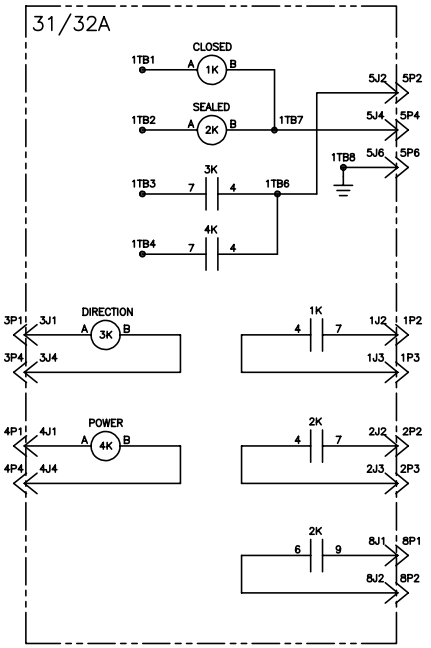


WIRING DIAGRAM

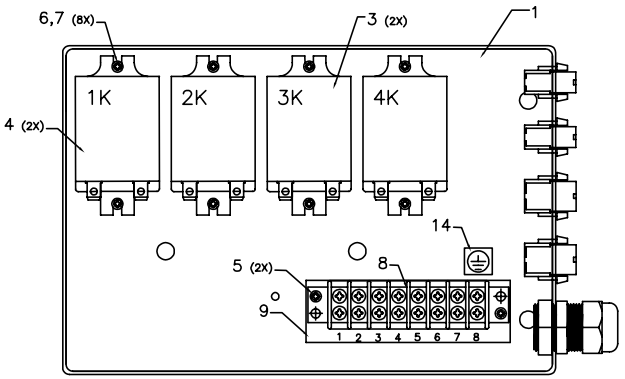
NOTES:
1) AFFIX WIRING LABEL (ITEM 13) TO INSIDE OF COVER (ITEM 2).
2) USE ITEMS 25 (WIRE TIE) AND 26 (WIRE TIE MOUNT) TO SECURE WIRES AND MAINTAIN PROPER SEPARATION OF 120VAC WIRES (CONNECTED TO 5J & 1TB) FROM THE REMAINING WIRES.
3) ATTACH COVER WITH ITEM 28 (SCREW) AND ITEM 27 (WASHER).
4) ITEM NUMBER OF WIRE IS INDICATED IN BOX ALONG WIRE RUN. THESE NUMBERS WILL NOT BE INCLUDED ON LABEL PART NUMBER 61301609525.
5) USE WIRE TIES TO MAINTAIN SEPARATION OF 120V WIRES (CONNECTED TO 7J AND 1TB) FROM ALL OTHER WIRES.



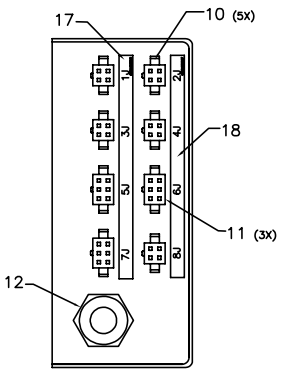
VIEW: BOX COVER



WIRING SCHEMATIC



BOX TOP VIEW
(COVER OPEN)



BOX SIDE VIEW

REV	QTY	ECO NO.	BY	DATE
A	121259	KG		1/22/04

Getinge Sourcing LLC 1777 East Henrietta Road Rochester, NY 14623-3133		BOX ASSY, DOOR I/F, 833HCMC	
	MOD PACKAGE	PROJECT NO.	8104
	CDC 02/06/04	SIMILAR TO	
	SEB 02/11/04	SIZE D	SHEET 1 of 1
SCALE NTS	KHJ 02/12/04	DRAWING/PART NO.	REV
FINISH NONE	DRAWN BY R.GARGASH 7/7/03	61301609524	A

A09524A

Assembly Number: 61301609524 (Rev. A)

BOX ASSY,I/F,4200-PACS3000

Item	Description	Part Number	Qty
1	BOX,I/F,4200-PACS3000	61301609523	1
2	COVER,BOX,I/F,DOOR	61301600785	1
3	RELAY,24VAC,DPDT,20A/240VAC	61301601073	2
4	RELAY,120VAC,15AMPS	62313	2
5	SCR,PAN HD,PHL, .14-32X .38,SS	E5013	2
6	SCR,PAN HD,PHL, .14-32X .25,SS	E5010	8
7	WSHR,LOCK,SPR, .14ND,SST	E7041	8
8	TERM,BLK,8 POLE,20A,150V	61301600660	1
9	INSULATOR,TERM,BLK,1-8	61301600572	1
10	HOUSING,MLX,4-CRKT W/MTG EARS	523154	5
11	HOUSING,MLX,6-CRKT W/MTG EARS	523156	3
12	CONN,LIQ-TIGHT,.80DIA MTG	69003	1
13	LABEL,WIRING,I/F BOX,4200-PACS	61301609525	1
14	LABEL,EARTH GROUND	65723R	1
15	LABEL,ATTENTION,INT'L	539427	1
16	LABEL,SHOCK,INT'L	539428	1
17	LABEL,IDENT,I/F BOX,UPPER	61301609526	1
18	LABEL,IDENT,I/F BOX,LOWER	61301609527	1
19	WIRE ASSY,16 AWG,W,12""	61301601651	2
20	WIRE ASSY,16 AWG,W,9""	61301601386	4
21	WIRE ASSY,16 AWG,W,6""	61301601395	4
22	WIRE ASSY,16 AWG,W,8""	61301601849	4
23	WIRE ASSY,16 AWG,W,6""	61301601647	4
24	WIRE ASSY,16 AWG,W,5""	61301601655	3
25	TIE,CABLE	45572R	8
26	CABLE TIE MOUNT	P0020816	2
27	WSHR,LOCK,SPR, .16ND,STL,CAD	E5514	2
28	SCR,PAN HD,PHL, .16-32X .38,SS	E5027	2

Section 6 Panel Package

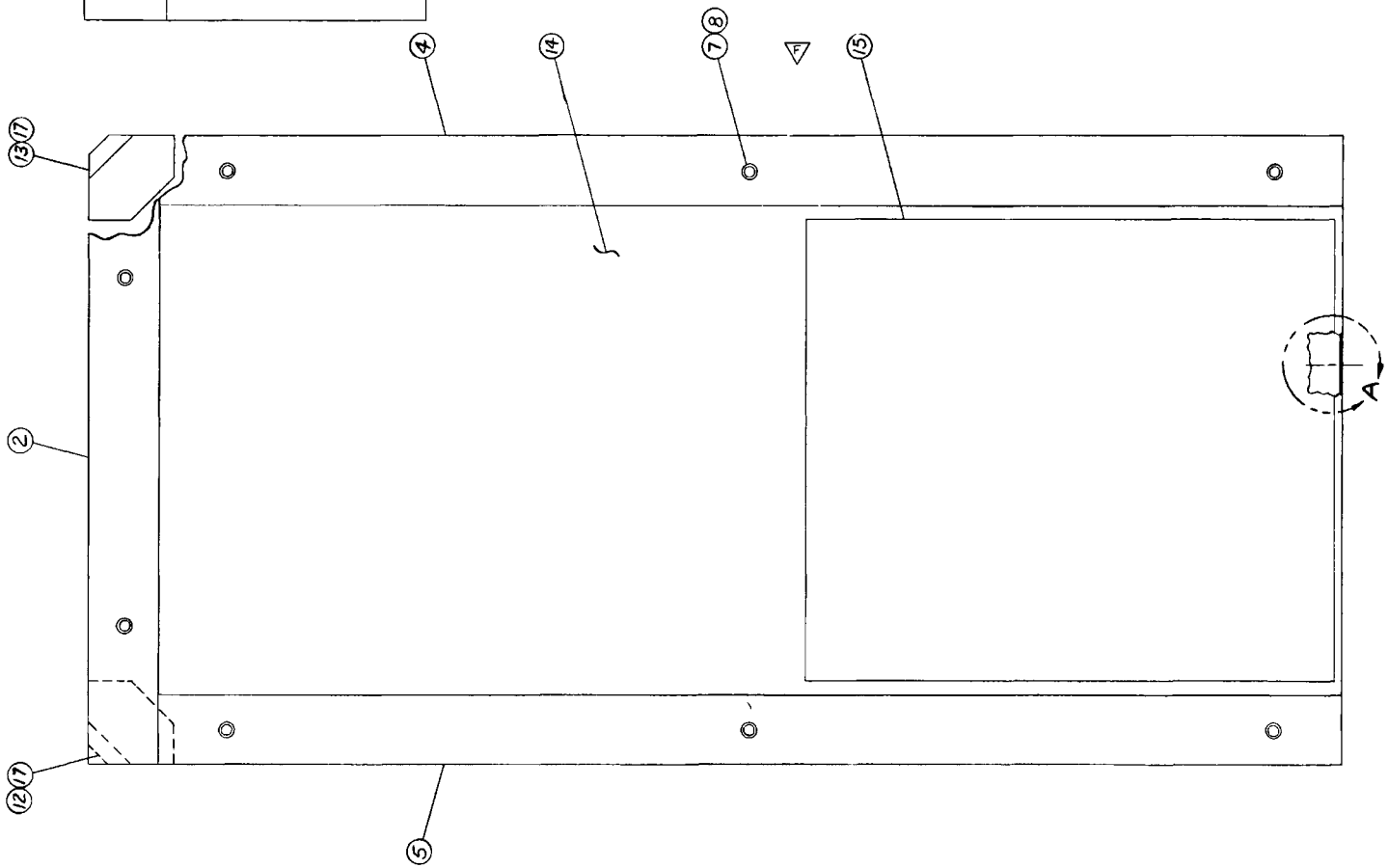
This section contains an illustrated parts breakdown for the Panel Package:

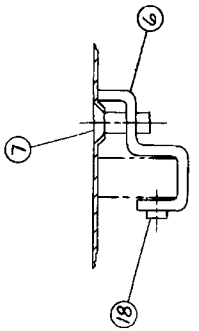
- Door Package Cover
  - RH Pit Mount
  - LH Pit Mount
  - RH Floor Mount
  - LH Floor Mount
- Panel Package
  - Pit Mount, CE, LH Door
  - Pit Mount, CE, RH Door
  - Pit Mount, RE, LH Door
  - Pit Mount, RE, RH Door
  - Floor Mount, CE, LH Door
  - Floor Mount, CE, RH Door
  - Floor Mount, RE, LH Door
  - Floor Mount, RE RH Door

51243

MACHINE LIMITS – FOR FRACTIONAL DIMENSIONS ± 1/64 FOR DECIMAL DIMENSION ± .005 UNLESS OTHERWISE SPECIFIED.
BREAK ALL EDGES.

PART NO.	DESCRIPTION	PART NUMBER FOR SERVICE MAKE TO SELL
42406	DOOR, COVER PKG LH W/LIFT	
42407	DOOR, COVER PKG RH W/LIFT	61301604559 4/3/01 RER.





DETAIL A
TYPICAL 4 PLACES

F	118443	KR	12/1/97
E	118102	TL	1/23/97
D	117120	MFS	9/25/92
C	115920 A	DS	3/24/88
B	ECO 114325	CJGM	4/5/84
A	ECO 114235	CMM	5/12/83
	CHANGES	BY	DATE

MP5

F

PRODUCT / REV.	NAME DOOR, COVER PKG, BASIC, WITH LIFT		DRAWN PJC 11-12-73
1X402 (1)		SCALE NONE	APPROVED FARRTON 11-15-73
		PATT. NO.	APPROVED WR 11-15-73
	FINISH		APPROVED
	SUPERSEDES		CHK. Ed McCullo
	INCL. DATE DWG. GALLY 108854	WILMOT CASTLE COMPANY ROCHESTER 18, N.Y.	51243

51243F

Assembly Number: 42407 (Rev. G)

DOOR PKG,COVER,RHD/PM,MC4200

Item	Description	Part Number	Qty
2	COVER,RH HOOK	35770	1
4	COVER,HINGE HOOK	35768	1
5	COVER,HOOK	35762	1
6	CLIP	27933	4
7	SCR,FLT HD,PHL, .25-20X .75,SS	E4842	12
8	WSHR,FNSH, .25 FLT HD,NYL	27936	8
12	COVER,GEAR	28724	1
13	COVER,DR GEAR	36688	1
14	COVER ASSY,DOOR,RH	35596	1
15	COVER,ACCESS	36531	1
17	WSHR,LOCK,INT, .19ND,STL,ZN PL	E2044	4
18	SCR,SET,CUP PT, .25-20X .38,ST	E2085	4

Assembly Number: 42406 (Rev. G)

DOOR PKG,COVER,RHD/PM,MC4200

Item	Description	Part Number	Qty
2	COVER,HOOK,SST	35767	1
4	COVER,HINGE HOOK	35768	1
5	COVER,HOOK	35762	1
6	CLIP	27933	4
7	SCR,FLT HD,PHL, .25-20X .75,SS	E4842	12
8	WSHR,FNSH, .25 FLT HD,NYL	27936	8
12	COVER,GEAR	28724	1
13	COVER,DR GEAR	36688	1
14	COVER ASSY,DOOR,LH	35597	1
15	COVER,ACCESS	36531	1
17	WSHR,LOCK,INT, .19ND,STL,ZN PL	E2044	4
18	SCR,SET,CUP PT, .25-20X .38,ST	E2085	4

Assembly Number: 43763 (Rev. C)

DOOR PKG,COVER,RHD/FM,MC4200

Item	Description	Part Number	Qty
1	COVER ASSY,DOOR,RH	35596	1
2	COVER,RH HOOK	35770	1
3	COVER,HINGE HOOK	35768	1
4	COVER,HOOK	35762	1
5	CLIP	27933	4
6	SCR,FLT HD,PHL, .25-20X .75,SS	E4842	12
7	WSHR,FNSH, .25 FLT HD,NYL	27936	8
8	COVER,GEAR	28724	1
9	COVER,DR GEAR	36688	1
10	SCR,PAN HD,PHL, .19-32X .38,SS	E4941	4
11	WSHR,LOCK,INT, .19ND,STL,ZN PL	E2044	4
12	SCR,SET,CUP PT, .25-20X .38,ST	E2085	4
13	COVER,ACCESS	36531	1

Assembly Number: 43762 (Rev. F)

DOOR PKG,COVER,LHD/FM,MC4200

Item	Description	Part Number	Qty
1	COVER ASSY,DOOR,LH	35597	1
2	COVER,HOOK,SST	35767	1
3	COVER,HINGE HOOK	35768	1
4	COVER,HOOK	35762	1
5	CLIP	27933	4
6	SCR,FLT HD,PHL, .25-20X .75,SS	E4842	12
7	WSHR,FNSH, .25 FLT HD,NYL	27936	8
8	COVER,GEAR	28724	1
9	COVER,DR GEAR	36688	1
10	SCR,PAN HD,PHL, .19-32X .38,SS	E4941	4
11	WSHR,LOCK,INT, .19ND,STL,ZN PL	E2044	4
12	SCR,SET,CUP PT, .25-20X .38,ST	E2085	4
13	COVER,ACCESS	36531	1

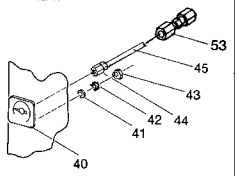
Assembly Number:

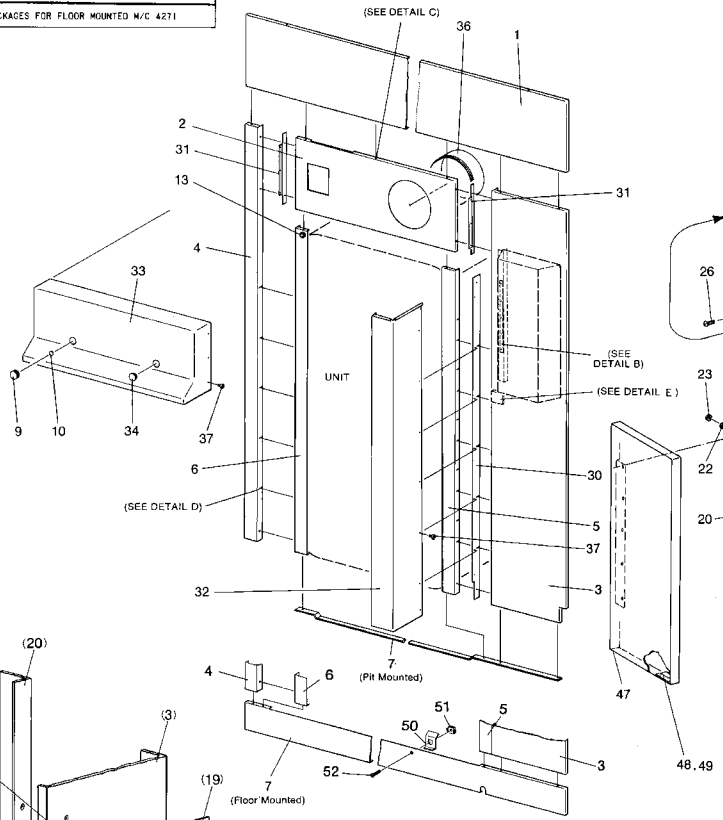
PART NUMBER	DESCRIPTION
51'975	PANEL PKG,FACE,RE,RH,(FOR BEZEL)
51'977	PANEL PKG,FACE,RE,LH,(FOR BEZEL)
51'980	PANEL PKG,FACE,CE,RH,(FOR REM LOC BEZEL)
51'984	PANEL PKG,FACE,CE,LH,(FOR REM LOC BEZEL)
511979	PANEL PKG,FACE,CE,RH,(FOR BEZEL)
51'983	PANEL PKG,FACE,CE,LH,(FOR BEZEL)

FACE PANEL PACKAGES FOR FLOOR MOUNTED W/C 4271

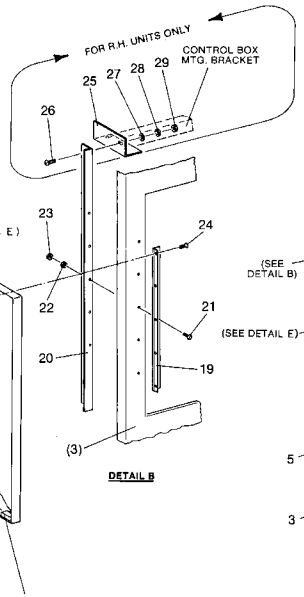
PART NUMBER	DESCRIPTION
511976	PANEL PKG,FACE,RE,RH,(FOR BEZEL)
511978	PANEL PKG,FACE,RE,LH,(FOR BEZEL)
511981	PANEL PKG,FACE,CE,RH,(FOR REM LOC BEZEL)
511985	PANEL PKG,FACE,CE,LH,(FOR REM LOC BEZEL)
511982	PANEL PKG,FACE,CE,RH,(FOR BEZEL)
511986	PANEL PKG,FACE,CE,LH,(FOR BEZEL)
SK46541	PANEL PKG,LH,W/4004 CART
SK46544	PANEL PKG,RH,W/4004 CART
SK48402	PANEL PKG, F/V, RE, RH DOOR, S/F
SK48469	PANEL PKG, F/M,R , RH DR,S/F ,P/M SF

NOTES:
1) ITEM 46, EMERGENCY DOOR HANDLE, NOT SHOWN. SECURE TO UNIT PRIOR TO SHIPMENT.

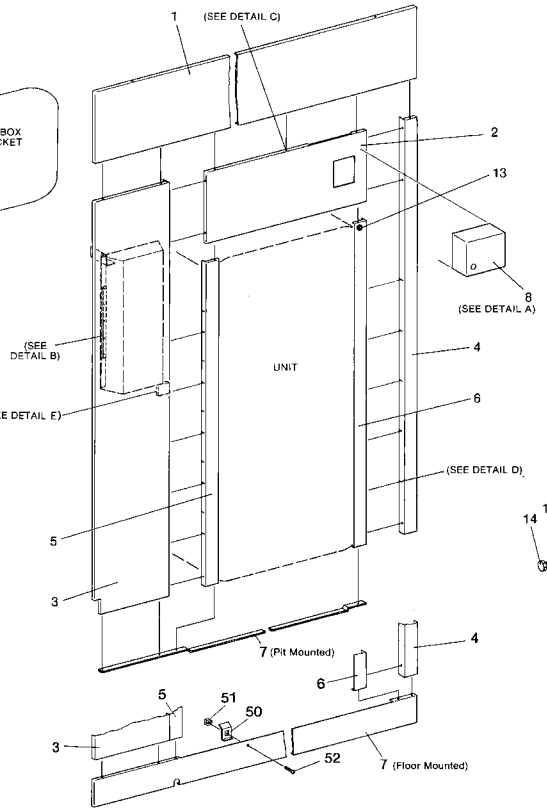




EO GAS UNIT with LEFT HINGED DOOR

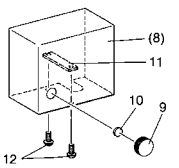


DETAIL B

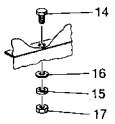


STEAM UNIT with RIGHT HINGED DOOR

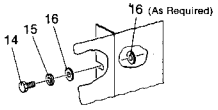
DETAIL E



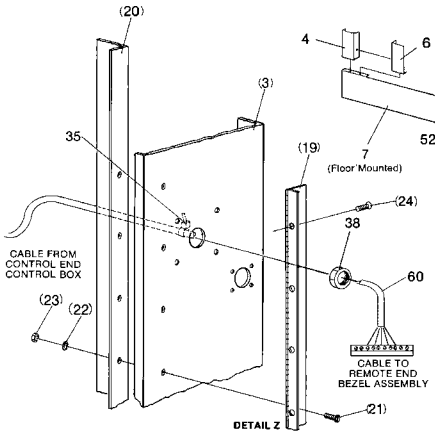
DETAIL A
(Steam Units)



DETAIL C
(17 Places - Pit Mtd.)
(21 Places - Floor Mtd.)



DETAIL D
(10 Places)



DETAIL Z
(SHOWING ASSEMBLY OF STRAIN RELIEF TO REMOTE END FACE PANEL ASSEMBLY)

PART NUMBER	DESCRIPTION
511968	PANEL PKG,FACE,RE,RH,(FOR BEZEL)
51'974	PANEL PKG,FACE,RE,LH,(FOR BEZEL)
511966	PANEL PKG,FACE,CE,RH,(FOR BEZEL)
511972	PANEL PKG,FACE,CE,LH,(FOR BEZEL)
51'965	PANEL PKG,FACE,CE,RH,(FOR REM LOC BEZEL)
51'971	PANEL PKG,FACE,CE,LH,(FOR REM LOC BEZEL)

FACE PANEL PACKAGES FOR PIT MOUNTED W/C 4271

PART NUMBER	DESCRIPTION
51'973	PANEL PKG,FACE,RE,LH,(FOR BEZEL)
51'967	PANEL PKG,FACE,RE,RH,(FOR BEZEL)
51'969	PANEL PKG,FACE,CE,LH,(FOR BEZEL)
51'963	PANEL PKG,FACE,CE,RH,(FOR BEZEL)
51'970	PANEL PKG,FACE,CE,LH,(FOR REM LOC BEZEL)
511964	PANEL PKG,FACE,CE,RH,(FOR REM LOC BEZEL)
SK46901	PANEL PKG, FACE,RE,RH DR, S/FLG (FOR BEZEL)
54'102	PANEL PKG, F/M,CE,LH DR, CABINET
54'832	PANEL PKG,FACE,RE,LH (FOR REM LOC BEZEL)
SK45724	PANEL PKG,FACE,RE,LH DOOR,P/M SF
SK48497	PANEL PKG,FACE,RE,RH DOOR,P/M SF,LH PIPE

LTR	ECO NO.	BY	DATE
H	119076	RR	3/10/99
G	118983	RR	3/5/99
F	'18747	JS	04/28/98

REVISIONS

SUPERSEDES 511185E1 "E" SIZE DATED 6/4/83

Getinge/Castle, inc.
1777 East Henrietta Road
Rochester, NY '4623-3133

THIS DRAWING WAS MADE USING GTX SOFTWARE. CHANGES SHOULD BE MADE TO DATABASE AND NOT TO THIS TRACING. THE FILENAME IS: 511185H1.GP4 THIS PLOT MADE: 3/10/99

DO NOT SCALE THIS DRAWING
THIRD ANGLE PROJECTION

ALL DIMENSIONS ARE INCHES UNLESS NOTED OTHERWISE

TOLERANCE UNLESS OTHERWISE SPECIFIED

MATERIAL

2 PLACE DECIMAL

3 PLACE DECIMAL

ANGLE

SCALE N'S

DRAWN BY JS 04/28/98

CHECKED

APPROVED MG 3/5/87

APPROVED GK 3/23/87

APPROVED PE 3/31/87

APPROVED FN 3/31/87

TITLE PANEL PKG, FACE W/C 4233/7' PIT/FLOOR MOUNTED, BASIC

PROJECT M/C MPS

PROJECT NO.

SIMILAR TO

SIZE E SHEET 1 OF 1

DRAWING/PART NO. 511185 REV H

511185H

Assembly Number: 511969 (Rev. A)

PANEL PKG,P/M,CE,LH DR

Item	Description	Part Number	Qty
1	PANEL,FACE,TOP	87509	1
2	PANEL,FACE,MTR COVER	87510	1
3	PANEL,FACE,CE,PIT MTD,LH DOOR	511953	1
4	PANEL,FACE,CE&RE,P/M,LH DR	60649	1
5	PANEL,FACE,STRIP,SHT	87516	1
6	PANEL,STRIP,SHT,LH	87548	1
7	STRAP,BOT,P/M,RH&LH DOOR	60644	1
8	COVER,GEAR BOX,LH	42408	1
9	CAP,END	26549	1
10	DISC,CAP	28890	1
11	SPACER,BOX COVER	32125	1
12	SCR,PAN HD,PHL, .25-20X .75,SS	E4903	2
13	BUSHING,SNAP	87757	1
14	SCR,HEX HD,CAP, .25-20X .50,ST	E4692	30
15	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	30
16	WSHR,FLT, .26X .59X.06THK,STL	25429	70
17	NUT,HEX, .25-20,STL,CAD	E5186	20
19	HINGE,CONT HEAD	87521	1
20	STIFFENER, FRONT PANEL	90497	1
21	SCR,FLT HD,PHL, .14-32X .50,SS	E7119	5
22	WSHR,LOCK,SPR, .14ND,STL,CAD	E4788	5
23	NUT,HEX, .14-32,SST	E5180	5
24	SCR,FLT HD,SLT, .14-32X .31,CP	E6186	5
40	GAUGE,CHMB	86429	1
41	WSHR,FLT, .12X .31X.04THK,STL	E4709	4
42	WSHR,LOCK,EXT, .14ND,STL	E6311	4
43	NUT,HEX, .11-40,STL	21684	4
44	CONN, .12FPX .12DT,BRS	58959	1
45	LINE,PRESS GAUGE,.1DX.03WX9.50	86383	1
46	HANDLE ASSY,EMERG,MANUAL	26518	1
53	UNION, .12DTX .12DT,BRS	86272	1

Assembly Number: 511963 (Rev. A)

PANEL PKG,P/M,CE,RH DR

Item	Description	Part Number	Qty
1	PANEL,FACE,TOP	87509	1
2	PANEL,FACE,MTR COVER	87510	1
3	PANEL,FACE,CE,PIT MTD,RH DOOR	511951	1
4	PANEL,FACE,CE&RE,P/M,RH DR	60646	1
5	PANEL,FACE,STRIP,SHT	87516	1
6	PANEL,STRIP,SHT,RH	87549	1
7	STRAP,BOT,P/M,RH&LH DOOR	60644	1
8	COVER,GEAR BOX,RH	42409	1
9	CAP,END	26549	1
10	DISC,CAP	28890	1
11	SPACER,BOX COVER	32125	1
12	SCR,PAN HD,PHL, .25-20X .75,SS	E4903	2
13	BUSHING,SNAP	87757	1
14	SCR,HEX HD,CAP, .25-20X .50,ST	E4692	30
15	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	30
16	WSHR,FLT, .26X .59X.06THK,STL	25429	70
17	NUT,HEX, .25-20,STL,CAD	E5186	20
19	HINGE,CONT HEAD	87521	1
20	STIFFENER, FRONT PANEL	90497	1
21	SCR,FLT HD,PHL, .14-32X .50,SS	E7119	5
22	WSHR,LOCK,SPR, .14ND,STL,CAD	E4788	5
23	NUT,HEX, .14-32,SST	E5180	5
24	SCR,FLT HD,SLT, .14-32X .31,CP	E6186	5
25	BRKT,PANEL STIFFENER	87547	1
26	SCR,PAN HD,PHL, .19-32X .50,SS	E6924	2
27	WSHR,FLT, .19X .56X.04THK,STL	E6563	2
28	WSHR,LOCK,SPR, .19ND,STL,CAD	E5238	2
29	NUT,HEX, .19-32,STL,CAD	E0149	2
40	GAUGE,CHMB	86429	1
41	WSHR,FLT, .12X .31X.04THK,STL	E4709	4
42	WSHR,LOCK,EXT, .14ND,STL	E6311	4
43	NUT,HEX, .11-40,STL	21684	4
44	CONN, .12FPX .12DT,BRS	58959	1
45	LINE,PRESS GAUGE,.1DX.03WX9.50	86383	1
46	HANDLE ASSY,EMERG,MANUAL	26518	1
53	UNION, .12DTX .12DT,BRS	86272	1

Assembly Number: 511973 (Rev. A)

PANEL PKG,P/M,RE,LH DR

Item	Description	Part Number	Qty
1	PANEL,FACE,TOP	87509	1
2	PANEL,FACE,MTR COVER	87510	1
3	PANEL,FACE,RE,PIT MTD,LH DOOR	511954	1
4	PANEL,FACE,CE&RE,P/M,LH DR	60649	1
5	PANEL,FACE,STRIP,SHT	87516	1
6	PANEL,STRIP,SHT,LH	87548	1
7	STRAP,BOT,P/M,RH&LH DOOR	60644	1
8	COVER,GEAR BOX,LH	42408	1
9	CAP,END	26549	1
10	DISC,CAP	28890	1
11	SPACER,BOX COVER	32125	1
12	SCR,PAN HD,PHL, .25-20X .75,SS	E4903	2
13	BUSHING,SNAP	87757	1
14	SCR,HEX HD,CAP, .25-20X .50,ST	E4692	30
15	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	30
16	WSHR,FLT, .26X .59X.06THK,STL	25429	70
17	NUT,HEX, .25-20,STL,CAD	E5186	20
19	HINGE,CONT HEAD	87521	1
20	STIFFENER, FRONT PANEL	90497	1
21	SCR,FLT HD,PHL, .14-32X .50,SS	E7119	5
22	WSHR,LOCK,SPR, .14ND,STL,CAD	E4788	5
23	NUT,HEX, .14-32,SST	E5180	5
24	SCR,FLT HD,SLT, .14-32X .31,CP	E6186	5
35	TIE,CABLE,2.0 MAX DIA,.19 BARB	69123	1
38	BUSHING,SNAP,SB-1500-18	511507	1
40	GAUGE,CHMB	86429	1
41	WSHR,FLT, .12X .31X.04THK,STL	E4709	4
42	WSHR,LOCK,EXT, .14ND,STL	E6311	4
43	NUT,HEX, .11-40,STL	21684	4
44	CONN, .12FPX .12DT,BRS	58959	1
45	LINE,PRESS GAUGE,.1DX.03WX9.50	86383	1
46	HANDLE ASSY,EMERG,MANUAL	26518	1
53	UNION, .12DTX .12DT,BRS	86272	1
60	CABLE ASSY,I/F BOX,1-3,6-8 SW	512020	1

Assembly Number: 511967 (Rev. A)

PANEL PKG,P/M,RE,RH DR

Item	Description	Part Number	Qty
1	PANEL,FACE,TOP	87509	1
2	PANEL,FACE,MTR COVER	87510	1
3	PANEL,FACE,RE,PIT MTD,RH DOOR	511952	1
4	PANEL,FACE,CE&RE,P/M,RH DR	60646	1
5	PANEL,FACE,STRIP,SHT	87516	1
6	PANEL,STRIP,SHT,RH	87549	1
7	STRAP,BOT,P/M,RH&LH DOOR	60644	1
8	COVER,GEAR BOX,RH	42409	1
9	CAP,END	26549	1
10	DISC,CAP	28890	1
11	SPACER,BOX COVER	32125	1
12	SCR,PAN HD,PHL, .25-20X .75,SS	E4903	2
13	BUSHING,SNAP	87757	1
14	SCR,HEX HD,CAP, .25-20X .50,ST	E4692	30
15	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	30
16	WSHR,FLT, .26X .59X.06THK,STL	25429	70
17	NUT,HEX, .25-20,STL,CAD	E5186	20
19	HINGE,CONT HEAD	87521	1
20	STIFFENER, FRONT PANEL	90497	1
21	SCR,FLT HD,PHL, .14-32X .50,SS	E7119	5
22	WSHR,LOCK,SPR, .14ND,STL,CAD	E4788	5
23	NUT,HEX, .14-32,SST	E5180	5
24	SCR,FLT HD,SLT, .14-32X .31,CP	E6186	5
35	TIE,CABLE,2.0 MAX DIA,.19 BARB	69123	1
38	BUSHING,SNAP,SB-1500-18	511507	1
40	GAUGE,CHMB	86429	1
41	WSHR,FLT, .12X .31X.04THK,STL	E4709	4
42	WSHR,LOCK,EXT, .14ND,STL	E6311	4
43	NUT,HEX, .11-40,STL	21684	4
44	CONN, .12FPX .12DT,BRS	58959	1
45	LINE,PRESS GAUGE,.1DX.03WX9.50	86383	1
46	HANDLE ASSY,EMERG,MANUAL	26518	1
53	UNION, .12DTX .12DT,BRS	86272	1
60	CABLE ASSY,I/F BOX,1-3,6-8 SW	512020	1

Assembly Number: 511986 (Rev. B)

PANEL PKG,F/M,CE,LH DR

Item	Description	Part Number	Qty
1	PANEL,FACE,TOP,F/M	87531	1
2	PANEL,FACE,MTR COVER	87510	1
3	PANEL,FACE,CE,FLR MTD,LH DOOR	511957	1
4	PANEL,FACE,CE&RE,F/M,LH DR	60650	1
5	PANEL,FACE,STRIP,SHT	87516	1
6	PANEL,STRIP,SHT,LH	87548	1
7	PANEL,BOT,F/M,LH DOOR	87532	1
8	COVER,GEAR BOX,LH	42408	1
9	CAP,END	26549	1
10	DISC,CAP	28890	1
11	SPACER,BOX COVER	32125	1
12	SCR,PAN HD,PHL, .25-20X .75,SS	E4903	2
13	BUSHING,SNAP	87757	1
14	SCR,HEX HD,CAP, .25-20X .50,ST	E4692	35
15	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	35
16	WSHR,FLT, .26X .59X.06THK,STL	25429	75
17	NUT,HEX, .25-20,STL,CAD	E5186	25
19	HINGE,CONT HEAD	87521	1
20	STIFFENER, FRONT PANEL	90497	1
21	SCR,FLT HD,PHL, .14-32X .50,SS	E7119	5
22	WSHR,LOCK,SPR, .14ND,STL,CAD	E4788	5
23	NUT,HEX, .14-32,SST	E5180	5
24	SCR,FLT HD,SLT, .14-32X .31,CP	E6186	5
40	GAUGE,CHMB	86429	1
41	WSHR,FLT, .12X .31X.04THK,STL	E4709	4
42	WSHR,LOCK,EXT, .14ND,STL	E6311	4
43	NUT,HEX, .11-40,STL	21684	4
44	CONN, .12FPX .12DT,BRS	58959	1
45	LINE,PRESS GAUGE,.1DX.03WX9.50	86383	1
46	HANDLE ASSY,EMERG,MANUAL	26518	1
50	CLIP,PANEL RETAINING	60899	1
51	NUT,SPEED,.19-32,STL	E4752	1
52	SCR,FLT HD,PHL, .19-32X .50,SS	E4636	1
53	UNION, .12DTX .12DT,BRS	86272	1

Assembly Number: 511982 (Rev. B)

PANEL PKG,F/M,CE,RH DR

Item	Description	Part Number	Qty
1	PANEL,FACE,TOP,F/M	87531	1
2	PANEL,FACE,MTR COVER	87510	1
3	PANEL,FACE,CE,FLR MTD,RH DOOR	511955	1
4	PANEL,FACE,CE&RE,F/M,RH DR	60647	1
5	PANEL,FACE,STRIP,SHT	87516	1
6	PANEL,STRIP,SHT,RH	87549	1
7	PANEL,BOT,F/M,RH DOOR	87533	1
8	COVER,GEAR BOX,RH	42409	1
9	CAP,END	26549	1
10	DISC,CAP	28890	1
11	SPACER,BOX COVER	32125	1
12	SCR,PAN HD,PHL, .25-20X .75,SS	E4903	2
13	BUSHING,SNAP	87757	1
14	SCR,HEX HD,CAP, .25-20X .50,ST	E4692	35
15	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	35
16	WSHR,FLT, .26X .59X.06THK,STL	25429	75
17	NUT,HEX, .25-20,STL,CAD	E5186	25
19	HINGE,CONT HEAD	87521	1
20	STIFFENER, FRONT PANEL	90497	1
21	SCR,FLT HD,PHL, .14-32X .50,SS	E7119	5
22	WSHR,LOCK,SPR, .14ND,STL,CAD	E4788	5
23	NUT,HEX, .14-32,SST	E5180	5
24	SCR,FLT HD,SLT, .14-32X .31,CP	E6186	5
25	BRKT,PANEL STIFFENER	87547	1
26	SCR,PAN HD,PHL, .19-32X .50,SS	E6924	2
27	WSHR,FLT, .19X .56X.04THK,STL	E6563	2
28	WSHR,LOCK,SPR, .19ND,STL,CAD	E5238	2
29	NUT,HEX, .19-32,STL,CAD	E0149	2
40	GAUGE,CHMB	86429	1
41	WSHR,FLT, .12X .31X.04THK,STL	E4709	4
42	WSHR,LOCK,EXT, .14ND,STL	E6311	4
43	NUT,HEX, .11-40,STL	21684	4
44	CONN, .12FPX .12DT,BRS	58959	1
45	LINE,PRESS GAUGE,.1DX.03WX9.50	86383	1
46	HANDLE ASSY,EMERG,MANUAL	26518	1
50	CLIP,PANEL RETAINING	60899	1
51	NUT,SPEED,.19-32,STL	E4752	1
52	SCR,FLT HD,PHL, .19-32X .50,SS	E4636	1
53	UNION, .12DTX .12DT,BRS	86272	1

Assembly Number: 511978 (Rev. B)

PANEL PKG,F/M,RE,LH DR

Item	Description	Part Number	Qty
1	PANEL,FACE,TOP,F/M	87531	1
2	PANEL,FACE,MTR COVER	87510	1
3	PANEL,FACE,CE,FLR MTD,RH DOOR	511955	1
4	PANEL,FACE,CE&RE,F/M,RH DR	60647	1
5	PANEL,FACE,STRIP,SHT	87516	1
6	PANEL,STRIP,SHT,RH	87549	1
7	PANEL,BOT,F/M,RH DOOR	87533	1
8	COVER,GEAR BOX,RH	42409	1
9	CAP,END	26549	1
10	DISC,CAP	28890	1
11	SPACER,BOX COVER	32125	1
12	SCR,PAN HD,PHL, .25-20X .75,SS	E4903	2
13	BUSHING,SNAP	87757	1
14	SCR,HEX HD,CAP, .25-20X .50,ST	E4692	35
15	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	35
16	WSHR,FLT, .26X .59X.06THK,STL	25429	75
17	NUT,HEX, .25-20,STL,CAD	E5186	25
19	HINGE,CONT HEAD	87521	1
20	STIFFENER, FRONT PANEL	90497	1
21	SCR,FLT HD,PHL, .14-32X .50,SS	E7119	5
22	WSHR,LOCK,SPR, .14ND,STL,CAD	E4788	5
23	NUT,HEX, .14-32,SST	E5180	5
24	SCR,FLT HD,SLT, .14-32X .31,CP	E6186	5
25	BRKT,PANEL STIFFENER	87547	1
26	SCR,PAN HD,PHL, .19-32X .50,SS	E6924	2
27	WSHR,FLT, .19X .56X.04THK,STL	E6563	2
28	WSHR,LOCK,SPR, .19ND,STL,CAD	E5238	2
29	NUT,HEX, .19-32,STL,CAD	E0149	2
40	GAUGE,CHMB	86429	1
41	WSHR,FLT, .12X .31X.04THK,STL	E4709	4
42	WSHR,LOCK,EXT, .14ND,STL	E6311	4
43	NUT,HEX, .11-40,STL	21684	4
44	CONN, .12FPX .12DT,BRS	58959	1
45	LINE,PRESS GAUGE,.1DX.03WX9.50	86383	1
46	HANDLE ASSY,EMERG,MANUAL	26518	1
50	CLIP,PANEL RETAINING	60899	1
51	NUT,SPEED,.19-32,STL	E4752	1
52	SCR,FLT HD,PHL, .19-32X .50,SS	E4636	1
53	UNION, .12DTX .12DT,BRS	86272	1

Assembly Number: 511976 (Rev. B)

PANEL PKG,F/M,RE,RH DR

Item	Description	Part Number	Qty
1	PANEL,FACE,TOP,F/M	87531	1
2	PANEL,FACE,MTR COVER	87510	1
3	PANEL,FACE,CE,FLR MTD,RH DOOR	511955	1
4	PANEL,FACE,CE&RE,F/M,RH DR	60647	1
5	PANEL,FACE,STRIP,SHT	87516	1
6	PANEL,STRIP,SHT,RH	87549	1
7	PANEL,BOT,F/M,RH DOOR	87533	1
8	COVER,GEAR BOX,RH	42409	1
9	CAP,END	26549	1
10	DISC,CAP	28890	1
11	SPACER,BOX COVER	32125	1
12	SCR,PAN HD,PHL, .25-20X .75,SS	E4903	2
13	BUSHING,SNAP	87757	1
14	SCR,HEX HD,CAP, .25-20X .50,ST	E4692	35
15	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	35
16	WSHR,FLT, .26X .59X.06THK,STL	25429	75
17	NUT,HEX, .25-20,STL,CAD	E5186	25
19	HINGE,CONT HEAD	87521	1
20	STIFFENER, FRONT PANEL	90497	1
21	SCR,FLT HD,PHL, .14-32X .50,SS	E7119	5
22	WSHR,LOCK,SPR, .14ND,STL,CAD	E4788	5
23	NUT,HEX, .14-32,SST	E5180	5
24	SCR,FLT HD,SLT, .14-32X .31,CP	E6186	5
25	BRKT,PANEL STIFFENER	87547	1
26	SCR,PAN HD,PHL, .19-32X .50,SS	E6924	2
27	WSHR,FLT, .19X .56X.04THK,STL	E6563	2
28	WSHR,LOCK,SPR, .19ND,STL,CAD	E5238	2
29	NUT,HEX, .19-32,STL,CAD	E0149	2
40	GAUGE,CHMB	86429	1
41	WSHR,FLT, .12X .31X.04THK,STL	E4709	4
42	WSHR,LOCK,EXT, .14ND,STL	E6311	4
43	NUT,HEX, .11-40,STL	21684	4
44	CONN, .12FPX .12DT,BRS	58959	1
45	LINE,PRESS GAUGE,.1DX.03WX9.50	86383	1
46	HANDLE ASSY,EMERG,MANUAL	26518	1
50	CLIP,PANEL RETAINING	60899	1
51	NUT,SPEED,.19-32,STL	E4752	1
52	SCR,FLT HD,PHL, .19-32X .50,SS	E4636	1
53	UNION, .12DTX .12DT,BRS	86272	1

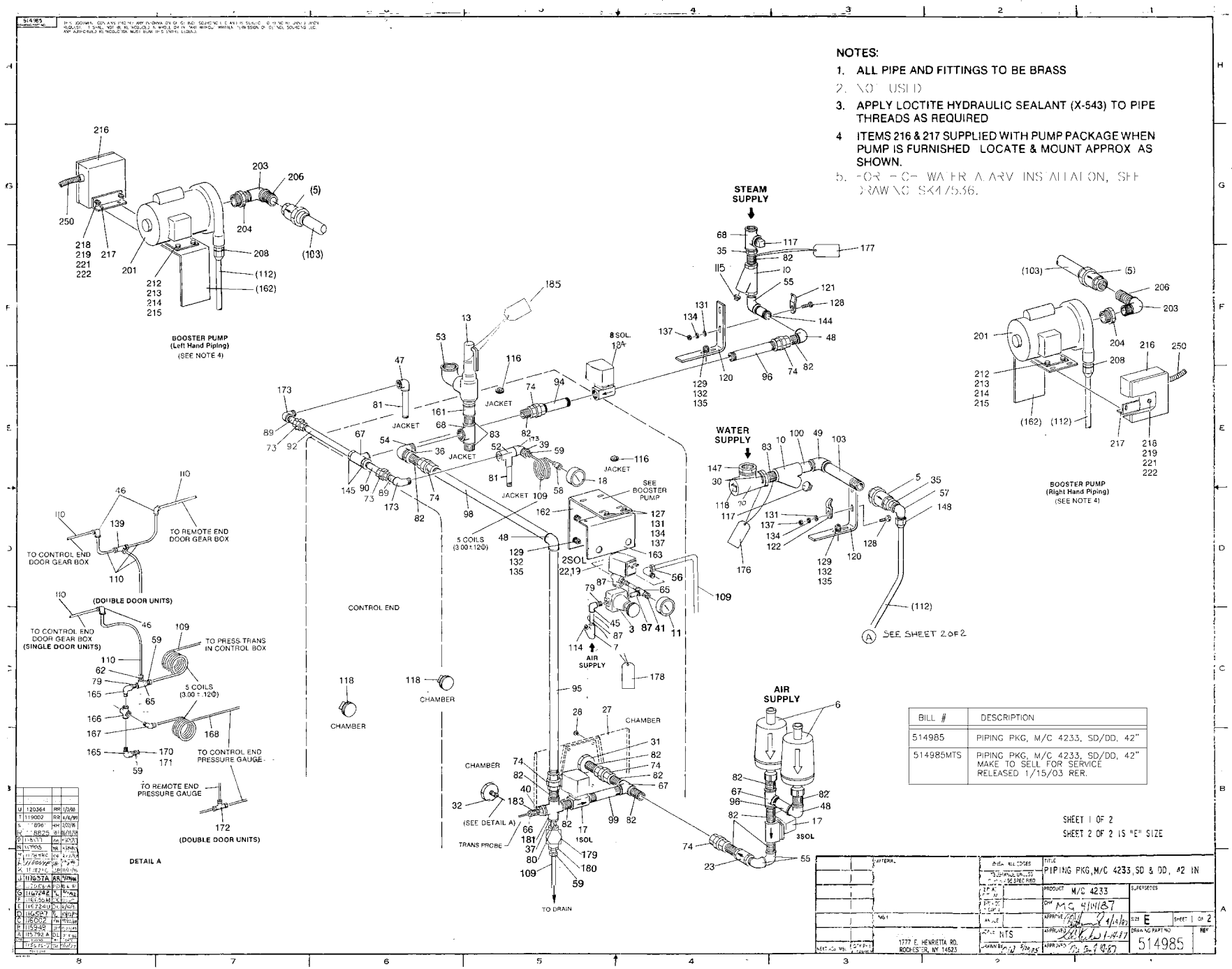
Section 7 Piping Package

This section contains an illustrated parts breakdown for the Piping Package:

- Piping Package, 4233, 42", SD/DD, PM/FM
- Booster Pump Package, 42" (optional)
- Piping Package, 4233, 76", SD/DD, PM/FM
- Booster Pump Package, 76" (optional)
- Junction Box, Booster Pump

NOTE ▶

The original 120V coils were replaced when the MP-202 modernization package was installed. Use the chart below when reordering replacement solenoid valves, coils, and rebuild kits for 833HCMC units.

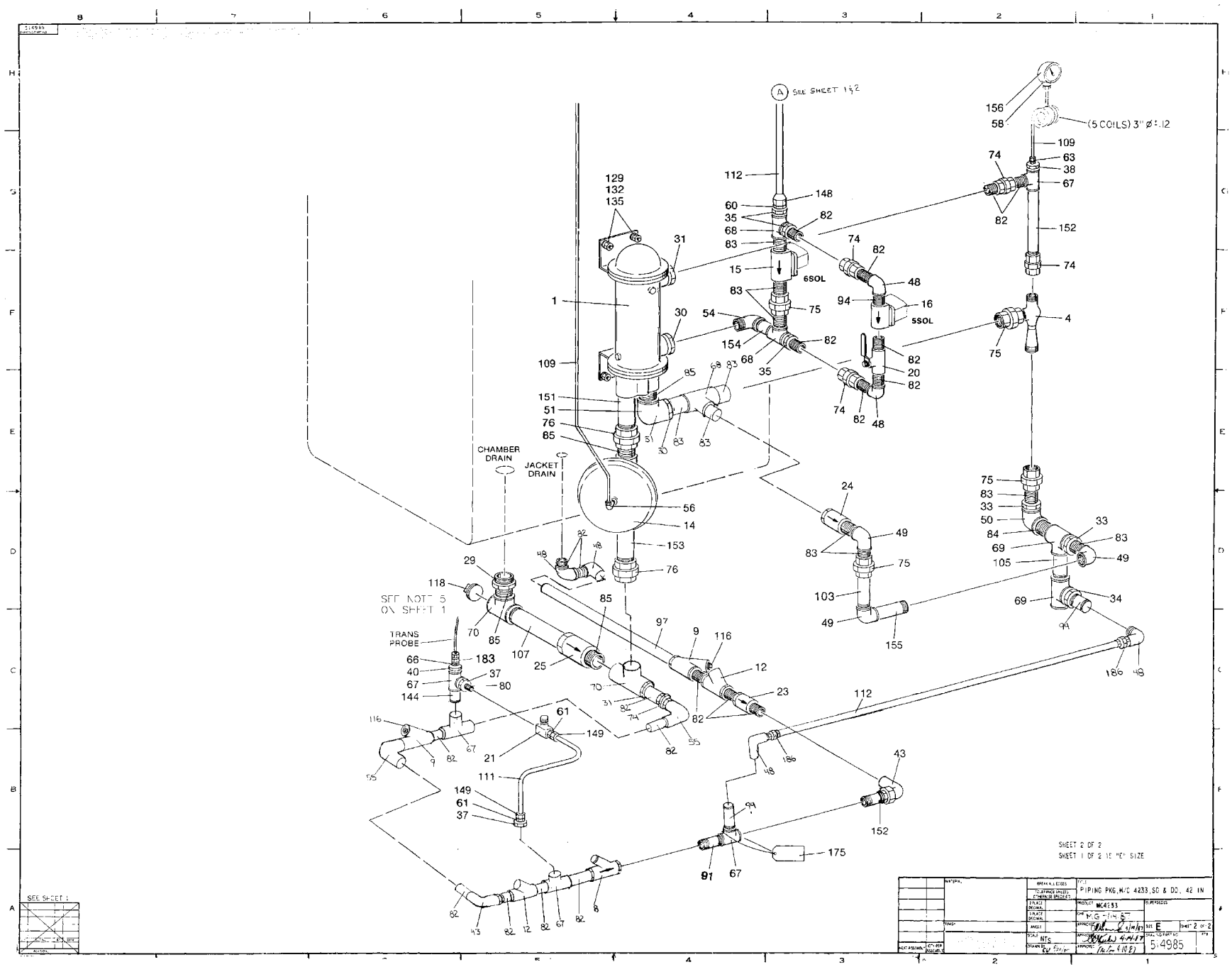

NOTES:
1. ALL PIPE AND FITTINGS TO BE BRASS
2. NOT USED
3. APPLY LOCTITE HYDRAULIC SEALANT (X-543) TO PIPE THREADS AS REQUIRED
4 ITEMS 216 & 217 SUPPLIED WITH PUMP PACKAGE WHEN PUMP IS FURNISHED LOCATE & MOUNT APPROX AS SHOWN.
5. FOR WATER ARV INSTALLATION, SEE DRAWING SK4756.
STEAM SUPPLY
WATER SUPPLY
AIR SUPPLY
BOOSTER PUMP (Left Hand Piping) (SEE NOTE 4)
BOOSTER PUMP (Right Hand Piping) (SEE NOTE 4)
SEE BOOSTER PUMP
CONTROL END
TO REMOTE END DOOR GEAR BOX
TO CONTROL END DOOR GEAR BOX
(DOUBLE DOOR UNITS)
TO CONTROL END DOOR GEAR BOX (SINGLE DOOR UNITS)
TO PRESS. TRANS IN CONTROL BOX
5 COILS (3.00 x 120)
TO CONTROL END PRESSURE GAUGE
TO REMOTE END PRESSURE GAUGE
(DOUBLE DOOR UNITS)
DETAIL A
CHAMBER
JACKET
5 COILS (3.00±120)
2SOL
1SOL
3SOL
AIR SUPPLY
TRANS PROBE
(SEE DETAIL A)
TO DRAIN
SEE SHEET 2 OF 2
SHEET 1 OF 2
SHEET 2 OF 2 IS "E" SIZE

BILL #	DESCRIPTION
514985	PIPING PKG, M/C 4233, SD/DD, 42"
514985MTS	PIPING PKG, M/C 4233, SD/DD, 42" MAKE TO SELL FOR SERVICE RELEASED 1/15/03 RER.

U	120364	RER	1/3/00
T	119002	RER	6/6/99
S	896	HH	1/20/98
R	8825	RER	8/18/97
P	118317	RER	4/29/97
N	117905	RER	4/29/97
M	117874C	RER	4/29/97
L	117869C	RER	4/29/97
K	117821C	RER	4/29/97
J	117637A	RER	4/29/97
H	116724A	RER	4/29/97
G	116724	DL	6/6/96
F	116150M	DL	6/6/96
E	116724U	DL	6/6/96
D	116587	DL	6/6/96
C	116002	DL	6/6/96
B	115949	DL	6/6/96
A	115792 A	DL	6/6/96

MATERIAL	
FINISH	
NEXT ASSY USED ON	
1777 E. HENRIETTA RD. ROCHESTER, NY 14623	
TITLE	PIPING PKG, M/C 4233, SD & DD, 42 IN
PRODUCT	M/C 4233
DWN	MG 4/14/87
APPROVED	4/14/87
SCALE	NTS
DRAWN BY	5/20/85
APPROVED	1-14-87
SUPERSEDES	
SIZE	E
SHEET	1 OF 2
DRAWING PART NO	514985
REV	

514985V1


A SEE SHEET 1&2
(5 COILS) 3" Ø 5.12
6SOL
5SOL
CHAMBER DRAIN
JACKET DRAIN
SEE NOTE 5 ON SHEET 1
TRANS PROBE
SEE SHEET 1
SHEET 2 OF 2
SHEET 1 OF 2 IS "E" SIZE
PIPING PKG, M/C 4233, SD & DD, 42 IN
MC4233
514985
E

Assembly Number: 514985 (Rev. V)

PIPING PKG,4233,SD/DD,PM/FM,42

Item	Description	Part Number	Qty
1	FSY67192	67192	1
3	LOADER,AIR,.25NPT,3-60 PSI	32696	1
4	EJCTR,WTR,1.00NPT,BRZ,LM	66784	1
5	PREVENTER,BACKFLOW,1.00NPT	60558	1
6	FILTER ASSY,AIR-IN	61301600303	2
7	STRAINER,AIR,.25FP	35141	1
8	VALVE,CHK, .750NPT,IN-LINE	513363	1
9	STRAINER, .75NPT,BRZ	36355	2
10	STRAINER,1.00NPT,BRZE	50952	2
11	GAUGE,VAC/PRESS	11871	1
12	TRAP,STM,30PSI, .75NPT,BRZ	23614	2
13	VALVE,SAFETY,40PSIG,1.00X1.25	56916	1
14	VALVE,DIAPHRAM,1.500NPT,BRZE	37831	1
15	VALVE,SOL,MLD,2WAY,NC,1.0-11.5	See Chart on p. 7-1	1
16	VALVE,SOL,MLD,2WAY,NC,.750-14	See Chart on p. 7-1	1
17	VALVE,SOL,MLD,2WAY,NC,.750-14	See Chart on p. 7-1	2
18	GAUGE,VAC/PRESS,JKT,.12MP,UTD	37887	1
18	GAUGE,PRESS,JACKET,30""HG-60PSI	61301608204	1
19	VALVE,SOL,MLD,3WAY,NC,.250-18	See Chart on p. 7-1	1
20	VALVE,BALL .750NPT,BRZ	59804	1
21	VALVE,NEEDLE .38NPT	44685	1
22	FLTR,SINTERED	29853	1
23	VALVE,CHK,3/4""NPT,IN-LINE,BRNZ	8045	2
24	VALVE,CHK,IN-LINE,1.00NPT	513699	1
25	VALVE,CHECK,1.50""NPT	61301602477	1
27	BAFFLE ASSY,STM,3230	66720	1
28	SCR,PAN HD,PHL, .25-20X .38,SS	E4816	4
29	RDCR,BSHG,2.00MPX1.50FP,BRS	54613	1
30	RDCR,BSHG,1.50MPX1.00FP,BRS	48367	4
31	RDCR,BSHG,1.50MPX .75FP,BRS	12524	3
32	RDCR,BSHG,1.50MPX .25FP,BRS	48358	1
33	RDCR,BSHG,1.25MPX1.00FP,BRS	36170	2
34	RDCR,BSHG,1.25MPX .75FP,BRS	12211	1
35	RDCR,BSHG,1.00MPX .75FP,BRS"	12210	5
36	BUSHING,FACE,1.00MPX .75FP	12209	1
37	RDCR,BSHG, .75MPX .38FP,BRS	48333	3
38	RDCR,BSHG, .75MPX .12FP,BRS	28768	1
39	RDCR,BSHG, .50MPX .25FP,BRS	12204	1
40	RDCR,BSHG, .75MPX .25FP,BRS	21137	2
41	BUSHING,FACE, .25MPX .12FP,BRS	12201	1
43	ELB,UNION,90, .75FPX .75FP,BR	12573	3

PIPING PKG,4233,SD/DD,PM/FM,42 (Continued)

Item	Description	Part Number	Qty
45	ELB,FEM,90, .25FPX .25FP,BRS	47464	1
46	ELB,CMP,90, .31DTX .31DT,BRS	33703	2
47	ELB,FEM,90, .50FPX .50FP,BRS	12242	1
48	ELB,FEM,90, .75FPX .75FP,BRS	12249	9
49	ELB,FEM,90,1.00FPX1.00FP,BRS	12253	4
50	ELB,FEM,90,1.25FPX1.25FP,BRS	12256	1
51	ELB,FEM,90,1.50FPX1.50FP,BRS	33699	1
52	TEE, .50FPX .50FPX .50FP,BRS	12315	1
53	ELB,ST,90,1.25FPX1.25MP,BRS	44026	1
54	ELB,ST,90,1.00FPX1.00MP,BRS	12267	2
55	ELB,ST,90, .75FPX .75MP,BRS	12265	4
56	ELB,CMP,90, .25MPX .25DT,BRS	46317	2
57	ELB,FLRD,90, .75DTX .75MP,BRS	27089	1
58	CONN, .12FPX .25OD,STL	36607	2
59	CONN,MALE, .25MPX .25DT,BRS	27112	4
60	UNION,HALF, .75MPX .75DT,BRS	27088	1
61	UNION,HALF, .38MPX .50DT,BRS	22786	1
62	CONN,MALE, .25MPX .31 DT	28404	1
63	CONN,MALE, .12MPX .25DT,BRS	27091	2
65	TEE, .25FPX .25FPX .25FP,BRS	12307	2
66	CONN,THRMCPL,.187DIAX.125MP	511512	2
67	TEE, .75FPX .75FPX .75FP,BRS	12326	8
68	TEE,1.00FPX1.00FPX1.00FP,BRS	12334	4
69	TEE,1.25FPX1.25FPX1.25FP,BRS	54617	2
70	TEE,1.50FPX1.50FPX1.50FP,BRS	48330	1
73	UNION,FEM, .50FPX .50FP,BRS	12286	2
74	UNION,FEM, .75FPX .75FP,BRS	12289	10
75	UNION,FEM,1.00FPX1.00FP,BRS	12292	4
76	UNION,FEM,1.50FPX1.50FP,BRS	33698	2
79	NIPPLE,CLOSE, .25NPT,BRS	12365	3
80	NIPPLE,CLOSE, .38NPT,BRS	12366	2
81	NIPPLE, .50NPTX 4.50 L,BRS	12428	2
82	NIPPLE,CLOSE, .75NPT,BRS	12368	38
83	NIPPLE,CLOSE,1.00NPT,BRS	12369	11
84	NIPPLE,CLOSE,1.25NPT,BRS	12370	1
85	NIPPLE,CLOSE,1.50NPT,BRS	28983	5
87	NIPPLE, .25NPTX 2.00 L,BRS	12387	3
89	NIPPLE, .50NPTX 2.50 L,BRS	12424	2
90	NIPPLE, .50NPTX 5.50 L,BRS	12430	1
91	NIPPLE, .75NPTX 2.00 L,BRS	12436	1
92	PI B .50 IPS .107 1 SM R	R0005	1.5
94	NIPPLE, .75NPTX 3.00 L,BRS	12439	4
95	NIPPLE, .75NPTX12.00 L,BRS	48350	1
96	NIPPLE, .75NPTX 4.50 L,BRS	12445	2
97	NIPPLE, .75NPTX16.50 L,BRS	48328	1
98	NIPPLE, .75NPTX18.00 L,BRS	511671	1

PIPING PKG,4233,SD/DD,PM/FM,42 (Continued)

Item	Description	Part Number	Qty
99	NIPPLE, .75NPTX 6.50 L,BRS	23670	1
100	NIPPLE,1.00NPTX 2.00 L,BRS	12450	1
103	NIPPLE,1.00NPTX 8.00 L,BRS	48363	2
105	NIPPLE,1.25NPTX 3.63 L,BRS	44025	1
107	NIPPLE,1.50NPTX11.00 L,BRS	68190	1
109	TB C .250 .032 WALL R	R0434	9.41
110	TB C .312 .032 WALL R	R0436	7.34
111	TB C .500 .035 WALL 7 R	R1253	2
112	TB C .750 .042 WALL 7 AN R	R1469	6
114	PLUG,PIPE, .25MPT,BRS	12296	1
115	PLUG,PIPE, .75MPT,BRS	12300	2
116	PLUG,PIPE, .50MPT,BRS	12299	4
117	PLUG,PIPE,1.00MPT,BRS	12301	2
118	PLUG,PIPE,1.50MPT,BRS,125#	35152	4
120	BRKT,PIPE SUPPORT	67120	2
121	STRAP,PIPE, .50OD	70365	1
122	STRAP,PIPE,1.00ND	70367	1
127	SCR,HEX HD,CAP, .25-20X .75,SS	E0215	2
128	SCR,HEX HD,CAP, .25-20X1.25,SS	E5483	2
129	WSHR,FLT, .44X1.00X.09THK,ZNC	E0022	10
131	WSHR,FLT, .26X .59X.06THK,STL	25429	8
132	WSHR,LOCK,SPR, .38ND,STL,CAD	E5204	10
134	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	4
135	NUT,HEX, .38-16,STL,ZN	E5191	10
137	NUT,HEX, .25-20,STL	E7126	4
139	TEE,CMP, .31DTX .31DTX .31DT,B	40149	1
144	NIPPLE, .75NPTX 2.50 L,BRS	12438	2
145	RDCR,BSHG, .75MPX .50FP,BRS	26666	2
147	RDCR,BSHG,1.50MPX1.25FP,BRS	45231	1
148	NUT,FLRD, .75DT,BRS	27087	2
149	NUT,FLRD, .50DT,BRS	22783	2
151	NIPPLE,1.50NPTX 5.50 L,BRS	48352	1
152	PI B .75 IPS .114 1 R	R0035	2.5
153	PI B 1.50 IPS .150 1 SM R	R0010	1
154	NIPPLE,1.00NPTX 2.50 L,BRS	51174	2
155	NIPPLE,1.00NPTX 5.50 L,BRS	511672	1
156	GAUGE,PRESS,2.50DIAL,0-100PSIG	66747	1
161	CPLG,1.00FPX1.00FP,BRZ	66919	1
162	BRKT,PUMP MTG	67193	1
163	BRKT,AIR RGLTR	86388	1
165	ELB,ST,90, .25FPX .25MP,BRS	12259	2
166	CROSS, .25NPT,BRS	51177	1
167	ELB,MALE,90, .25-18MPX .1,BR	87627	1
168	TB C .125 .030 WALL COIL R	R1624	4.5
170	PLUG,SPEC , .25DIAX .88L,BRS	28942	1
171	PIN,COTTER, .09X .75,BRS,ZINC	E5378	1

PIPING PKG,4233,SD/DD,PM/FM,42 (Continued)

Item	Description	Part Number	Qty
172	TEE,CMP, .12DTX .12DTX .12DT,B	61302	1
173	ELB,ST,90, .50FPX .50MP,BRS	12263	3
175	TAG,CONNECT TO WASTE	30048	1
176	TAG,CONNECT TO COLD WRT	30049	1
177	TAG,CONNECT TO STM SPLY	30050	1
178	TAG,CONNECT TO AIR SPLY	60691	1
179	TRAP,STM,THERMODYNAMIC,.38FP	68722	1
180	RDCR,BSHG, .38MPX .25FP,BRS	47433	1
181	CROSS, .75NPT,BRS,125#	23663	1
183	RDCR,BSHG, .25MPX .12FP,TFLN	511511	2
184	VALVE,SOL,MLD,2WAY,NC,.750-14	See Chart on p. 7-1	1
185	TAG,VALVE,SAFETY	536832	1
186	CONN,MALE,COMP,.75MPX.75DT	54156	2
187	ALARM PKG,HI WATER,MC4200	SK47536	1

Assembly Number: 86349 (Rev. C)

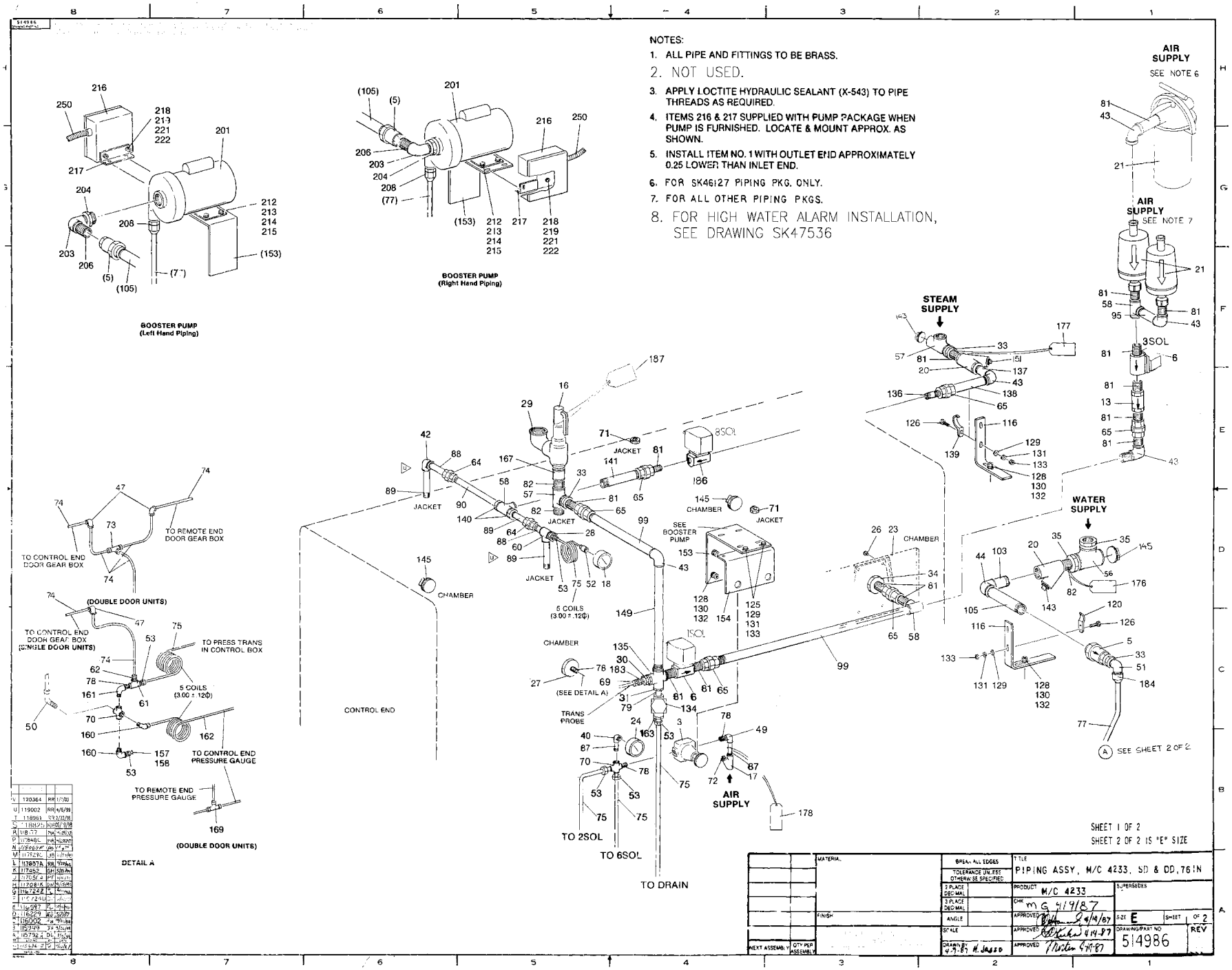
PUMP PKG,BSTR,115V,60HZ,1PH

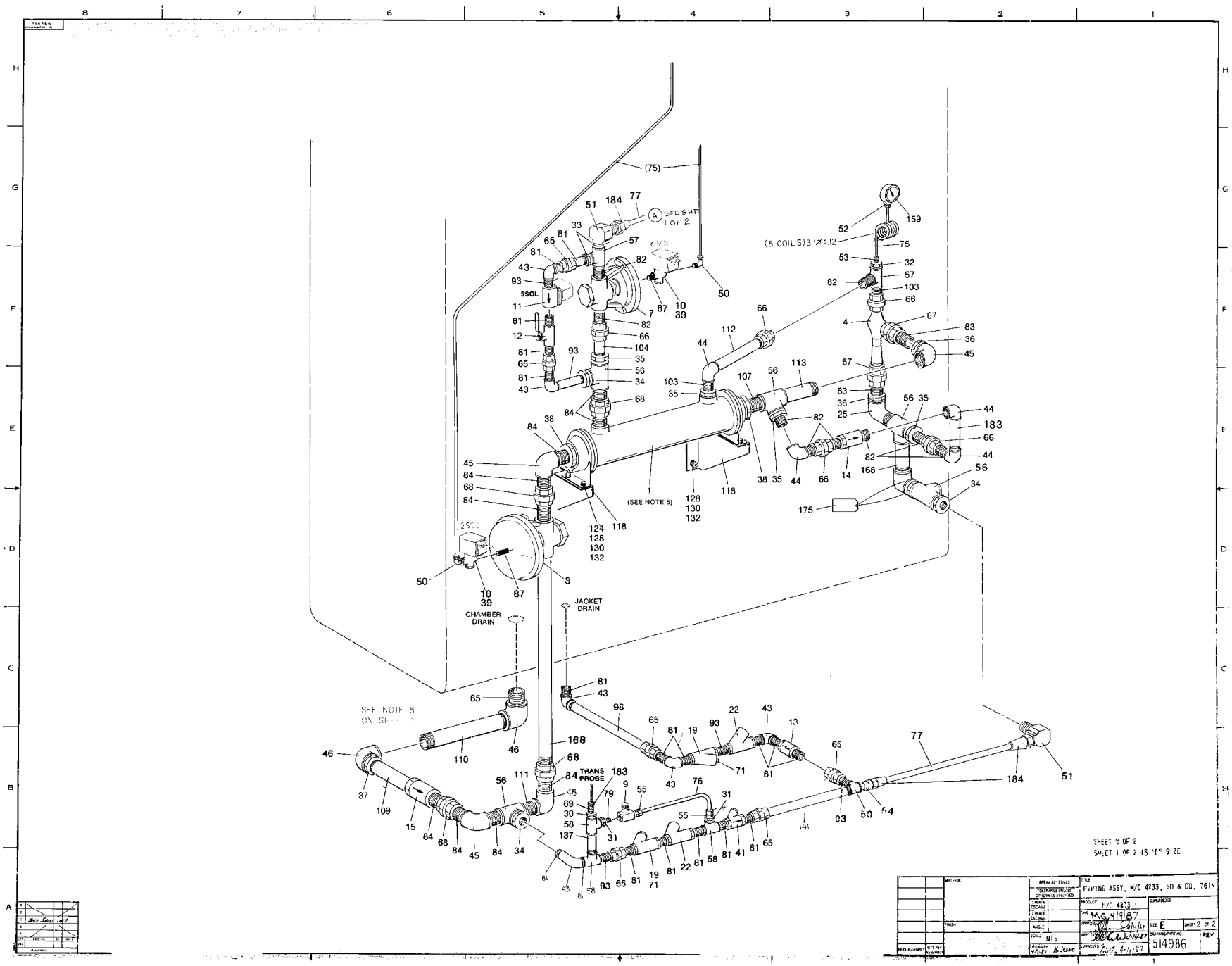
Item	Description	Part Number	Qty
201	PUMP,CNTFGL, .75HP,60HZ	530403	1
203	ELB,ST,90,1.00FPX1.00MP,BRS	12267	1
204	RDCR,BSHG,1.25MPX1.00FP,BRS	36170	1
206	NIPPLE,CLOSE,1.00NPT,BRS	12369	1
208	UNION,HALF, .75MPX .75DT,BRS	27088	1
212	SCR,HEX HD,CAP, .31-18X1.00,SS	E0224	4
213	WSHR,FLT, .31 NOM ID,STL,CAD	E7115	8
214	WSHR,LOCK,SPR, .31ND,STL,CAD	E0218	4
215	NUT,HEX, .31-18,STL,CAD	E5545	4
216	JCT BOX ASSY,PUMP,110V,120V	86188	1
217	BRKT,JCT BOX	67698	1
218	WSHR,FLT, .27X .62X.06THK,SST	E6478	4
219	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	2
221	SCR,PAN HD,PHL, .25-20X .63,SS	E5087	2
222	NUT,HEX,JAM, .25-20,STL,CD PL	E4987	2
250	CONDUIT ASSY,1B TO 11A,MC4133,	87779	1

Assembly Number: 86350 (Rev. D)

PUMP PKG,BSTR,115V,50HZ,1PH

Item	Description	Part Number	Qty
201	PUMP,CNTFGL,.75HP,50HZ	530402	1
203	ELB,ST,90,1.00FPX1.00MP,BRS	12267	1
204	RDCR,BSHG,1.25MPX1.00FP,BRS	36170	1
206	NIPPLE,CLOSE,1.00NPT,BRS	12369	1
208	UNION,HALF, .75MPX .75DT,BRS	27088	1
212	SCR,HEX HD,CAP, .31-18X1.00,SS	E0224	4
213	WSHR,FLT, .31 NOM ID,STL,CAD	E7115	8
214	WSHR,LOCK,SPR, .31ND,STL,CAD	E0218	4
215	NUT,HEX, .31-18,STL,CAD	E5545	4
216	JCT BOX ASSY,PUMP,110V,120V	86188	1
217	BRKT,JCT BOX	67698	1
218	WSHR,FLT, .27X .62X.06THK,SST	E6478	4
219	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	2
221	SCR,PAN HD,PHL, .25-20X .63,SS	E5087	2
222	NUT,HEX,JAM, .25-20,STL,CD PL	E4987	2
250	CONDUIT ASSY,1B TO 11A,MC4133	87779	1


NOTES:
1. ALL PIPE AND FITTINGS TO BE BRASS.
2. NOT USED.
3. APPLY LOCTITE HYDRAULIC SEALANT (X-543) TO PIPE THREADS AS REQUIRED.
4. ITEMS 216 & 217 SUPPLIED WITH PUMP PACKAGE WHEN PUMP IS FURNISHED. LOCATE & MOUNT APPROX. AS SHOWN.
5. INSTALL ITEM NO. 1 WITH OUTLET END APPROXIMATELY 0.25 LOWER THAN INLET END.
6. FOR SK46127 PIPING PKG. ONLY.
7. FOR ALL OTHER PIPING PKGS.
8. FOR HIGH WATER ALARM INSTALLATION, SEE DRAWING SK47536
BOOSTER PUMP (Left Hand Piping)
BOOSTER PUMP (Right Hand Piping)
AIR SUPPLY
SEE NOTE 6
SEE NOTE 7
STEAM SUPPLY
WATER SUPPLY
3SOL
8SOL
1SOL
2SOL
6SOL
JACKET
CHAMBER
5 COILS (3.00 ± .12Φ)
TO REMOTE END DOOR GEAR BOX
TO CONTROL END DOOR GEAR BOX
(DOUBLE DOOR UNITS)
(SINGLE DOOR UNITS)
TO PRESS TRANS IN CONTROL BOX
TO CONTROL END PRESSURE GAUGE
TO REMOTE END PRESSURE GAUGE
DETAIL A
CONTROL END
TRANS PROBE
(SEE DETAIL A)
SEE BOOSTER PUMP
TO DRAIN
SEE SHEET 2 OF 2
SHEET 1 OF 2
SHEET 2 OF 2 IS "E" SIZE
PIPING ASSY, M/C 4233, SD & DD, 76IN
PRODUCT M/C 4233
SUPERSEDES
SIZE E
SHEET 1 OF 2
DRAWING/PART NO 514986
REV
APPROVED 4/9/87
APPROVED 4-9-87
DRAWN 4.9.87 H. JASED
BREAK ALL EDGES
TOLERANCE UNLESS OTHERWISE SPECIFIED
2 PLACE DECIMAL
3 PLACE DECIMAL
ANGLE
SCALE
FINISH
MATERIAL
NEXT ASSEMBLY
QTY PER ASSEMBLY


(75)
SEE SHT 1 OF 2
(5 COILS) 3" Ø x 12
5SOL
2SOL
TRANS PROBE
CHAMBER DRAIN
JACKET DRAIN
(SEE NOTE 5)
SHEET 2 OF 2
SHEET 1 OF 2 IS 11" SIZE
PIPING ASSY, M/C 4233, SD & OD, 76IN
M/C 4233
MG 49187
NTS
514986

Assembly Number: 514986 (Rev. W)

PIPING PKG,MC4233-76",SD/DD

Item	Description	Part Number	Qty
1	EXCH,HEAT,BRS,5 X 24	66761	1
3	LOADER,AIR,.25NPT,3-60 PSI	32696	1
4	EJCTR,WTR,1.25NPT,BRZ,LM	66762	1
5	PREVENTER,BACKFLOW,1.00NPT	60558	1
6	VALVE,SOL,MLD,2WAY,NC,.750-14	See Chart on p. 7-1	2
7	VALVE,DIAPHRAM,1.000NPT,BRZE	37829	1
8	VALVE,DIAPHRAM,1.500NPT,BRZE	37831	1
9	VALVE,NEEDLE .38NPT	44685	1
10	VALVE,SOL,MLD,3WAY,NC,.250-18	See Chart on p. 7-1	2
11	VALVE,SOL,MLD,2WAY,NC,.750-14	See Chart on p. 7-1	1
12	VALVE,BALL .750NPT,BRZ	59804	1
13	VALVE,CHK,3/4""NPT,IN-LINE,BRNZ	8045	2
14	VALVE,CHK,IN-LINE,1.00NPT	513699	1
15	VALVE,CHECK,1.50""NPT	61301602477	1
16	VALVE,SAFETY,40PSIG,1.00X1.25	56916	1
17	STRAINER,AIR,.25FP	35141	1
18	GAUGE,VAC/PRESS,JKT,.12MP,UTD	37887	1
18	GAUGE,PRESS,JACKET,30""HG-60PSI	61301608204	1
19	STRAINER, .75NPT,BRZ	36355	2
20	STRAINER,1.00NPT,BRZE	50952	2
21	FILTER ASSY,AIR-IN	61301600303	2
22	TRAP,STM,30PSI, .75NPT,BRZ	23614	2
23	BAFFLE ASSY,STM,3230	66720	1
24	GAUGE,VAC/PRESS	11871	1
25	ELB,ST,90,1.50FPX1.50MP,BRS	48357	1
26	SCR,PAN HD,PHL, .25-20X .38,SS	E4816	4
27	RDCR,BSHG,1.50MPX .25FP,BRS	48358	1
28	RDCR,BSHG, .50MPX .25FP,BRS	12204	1
29	ELB,ST,90,1.25FPX1.25MP,BRS	44026	1
30	RDCR,BSHG, .75MPX .25FP,BRS	21137	2
31	RDCR,BSHG, .75MPX .38FP,BRS	48333	3
32	RDCR,BSHG,1.00MPX .25FP,BRZ	55024	1
33	RDCR,BSHG,1.00MPX .75FP,BRS	12210	5
34	RDCR,BSHG,1.50MPX .75FP,BRS	12524	4
35	RDCR,BSHG,1.50MPX1.00FP,BRS	48367	6
36	RDCR,BSHG,1.50MPX1.25FP,BRS	45231	2
37	RDCR,BSHG,2.00MPX1.50FP,BRS	54613	1
38	RDCR,BSHG,2.50MPX1.50FP,BRS	66684	2
39	FLTR,SINTERED	29853	2
40	ELB,FEM,90, .12FPX .25FP,BRS	12230	1
41	VALVE,CHK, .750NPT,IN-LINE	513363	1

Item	Description	Part Number	Qty
42	ELB,FEM,90, .50FPX .50FP,BRS	12242	1
43	ELB,FEM,90, .75FPX .75FP,BRS	12249	10
44	ELB,FEM,90,1.00FPX1.00FP,BRS	12253	5
45	ELB,FEM,90,1.50FPX1.50FP,BRS	33699	5
46	ELB,FEM,90,2.00FPX2.00FP,BRS	49971	2
47	ELB,CMP,90, .31DTX .31DT,BRS	33703	2
49	ELB,FEM,90, .25FPX .25FP,BRS	47464	1
50	ELB,CMP,90, .25MPX .25DT,BRS	46317	3
51	ELB,MALE,.750NPT.X.750 DT	54158	3
52	CONN, .12FPX .25OD,STL	36607	2
53	CONN,MALE, .25MPX .25DT,BRS	27112	7
54	UNION,HALF, .75MPX .75DT,BRS	27088	1
55	CONN,MALE, .38MPX .50DT,BRS	12625	2
56	TEE,1.50FPX1.50FPX1.50FP,BRS	48330	6
57	TEE,1.00FPX1.00FPX1.00FP,BRS	12334	4
58	TEE, .75FPX .75FPX .75FP,BRS	12326	5
60	TEE, .50FPX .50FPX .50FP,BRS	12315	1
61	TEE, .25FPX .25FPX .25FP,BRS	12307	1
62	CONN,MALE, .25MPX .31 DT	28404	1
64	UNION,FEM, .50FPX .50FP,BRS	12286	2
65	UNION,FEM, .75FPX .75FP,BRS	12289	12
66	UNION,FEM,1.00FPX1.00FP,BRS	12292	5
67	UNION,FEM,1.25MPX1.25MP,BRS	50296	2
68	UNION,FEM,1.50FPX1.50FP,BRS	33698	4
69	CONN,THRMCPL,.187DIAX.125MP	511512	2
70	CROSS, .25NPT,BRS	51177	2
71	PLUG,PIPE, .50MPT,BRS	12299	4
72	PLUG,PIPE, .25MPT,BRS	12296	1
73	TEE,CMP, .31DTX .31DTX .31DT,B	40149	1
74	TB C .312 .032 WALL R	R0436	7.34
75	TB C .250 .032 WALL R	R0434	14
76	TB C .500 .035 WALL 7 R	R1253	2
77	TB C .750 .042 WALL 7 AN R	R1469	4
78	NIPPLE,CLOSE, .25NPT,BRS	12365	4
79	NIPPLE,CLOSE, .38NPT,BRS	12366	2
81	NIPPLE,CLOSE, .75NPT,BRS	12368	32
82	NIPPLE,CLOSE,1.00NPT,BRS	12369	12
83	NIPPLE,CLOSE,1.25NPT,BRS	12370	2
84	NIPPLE,CLOSE,1.50NPT,BRS	28983	9
85	NIPPLE,CLOSE,2.00NPT,BRS	12371	1
87	NIPPLE, .25NPTX 2.00 L,BRS	12387	2
88	NIPPLE, .50NPTX 2.50 L,BRS	12424	2
89	NIPPLE, .50NPTX 5.50 L,BRS	12430	3
90	PI B .50 IPS .107 1 SM R	R0005	1.5
93	NIPPLE, .75NPTX 3.00 L,BRS	12439	5
94	NIPPLE, .75NPTX 1.75 L,BRS	43571	1

Item	Description	Part Number	Qty
95	NIPPLE, .75NPTX 4.50 L,BRS	12445	1
98	NIPPLE, .75NPTX19.25 L,BRS	31628	1
99	NIPPLE, .75NPTX18.00 L,BRS	511671	2
103	NIPPLE,1.00NPTX 2.00 L,BRS	12450	3
104	NIPPLE,1.00NPTX 3.00 L,BRS	12454	1
105	NIPPLE,1.00NPTX 8.00 L,BRS	48363	1
107	NIPPLE,1.50NPTX 3.00 L,BRS	35807	1
109	NIPPLE,1.50NPTX14.50 L,BRS	48338	1
110	NIPPLE,2.00NPTX14.50 L,BRS	54600	1
111	NIPPLE,1.50NPTX 2.75 L,BRS	43174	1
112	PI B 1.00 IPS .126 1 SM R	R0007	3
113	NIPPLE,1.50NPTX 7.50 L,BRS	67371	1
116	BRKT,PIPE SUPPORT	67120	2
118	BRKT,SUPPORT,HE	67185	2
120	STRAP,PIPE,1.00ND	70367	1
124	SCR,HEX HD,CAP, .38-16X1.00,SS	E2135	4
125	SCR,HEX HD,CAP, .25-20X .75,SS	E0215	2
126	SCR,HEX HD,CAP, .25-20X1.25,SS	E5483	2
128	WSHR,FLT, .44X1.00X.09THK,ZNC	E0022	18
129	WSHR,FLT, .26X .59X.06THK,STL	25429	6
130	WSHR,LOCK,SPR, .38ND,STL,CAD	E5204	14
131	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	4
132	NUT,HEX, .38-16,STL,ZN	E5191	14
133	NUT,HEX, .25-20,STL	E7126	4
134	TRAP,STM,THERMODYNAMIC,.38FP	68722	1
135	CROSS, .75NPT,BRS,125#	23663	1
136	NIPPLE, .75NPTX 5.00 L,BRS	12446	1
137	NIPPLE, .75NPTX 2.50 L,BRS	12438	2
138	NIPPLE, .75NPTX 6.50 L,BRS	23670	1
139	STRAP,PIPE, .75ND	70366	1
140	RDCR,BSHG, .75MPX .50FP,BRS	26666	4
141	NIPPLE, .75NPTX 9.00 L,BRS	28798	2
143	PLUG,PIPE,1.00MPT,BRS	12301	1
145	PLUG,PIPE,1.50MPT,BRS,125#	35152	3
149	NIPPLE, .75NPTX12.00 L,BRS	48350	1
151	PLUG,PIPE, .75MPT,BRS	12300	1
153	BRKT,PUMP MTG	67193	1
154	BRKT,AIR RGLTR	86388	1
157	PLUG,SPEC , .25DIAX .88L,BRS	28942	1
158	PIN,COTTER, .09X .75,BRS,ZINC	E5378	1
159	GAUGE,PRESS,2.50DIAL,0-100PSIG	66747	1
160	ELB,MALE,90, .25-18MPX .1,BR	87627	2
161	ELB,ST,90, .25FPX .25MP,BRS	12259	1
162	TB C .125 .030 WALL COIL R	R1624	4.5
163	RDCR,BSHG, .38MPX .25FP,BRS	47433	2
167	CPLG,1.00FPX1.00FP,BRZ	66919	1

PIPING PKG,MC4233-76",SD/DD

Item	Description	Part Number	Qty
168	NIPPLE,1.50NPTX 5.50 L,BRS	48352	2
169	TEE,CMP, .12DTX .12DTX .12DT,B	61302	1
175	TAG,CONNECT TO WASTE	30048	1
176	TAG,CONNECT TO COLD WRT	30049	1
177	TAG,CONNECT TO STM SPLY	30050	1
178	TAG,CONNECT TO AIR SPLY	60691	1
183	RDCR,BSHG, .25MPX .12FP,TFLN	511511	2
184	NUT,FLRD, .75DT,BRS	27087	4
185	NIPPLE,1.00NPTX 8.50 L,BRS	50308	1
186	VALVE,SOL,MLD,2WAY,NC,.750-14	See Chart on p. 7-1	1
187	TAG,VALVE,SAFETY	536832	1
188	ALARM PKG,HI WATER,MC4200	SK47536	1

Assembly Number: 86389 (Rev. F)

PUMP PKG,BSTR,115V,60HZ,1PH

Item	Description	Part Number	Qty
201	PUMP,CNTFGL, .75HP,60HZ	530403	1
203	ELB,ST,90,1.00FPX1.00MP,BRS	12267	1
204	RDCR,BSHG,1.25MPX1.00FP,BRS	36170	1
206	NIPPLE,CLOSE,1.00NPT,BRS	12369	1
208	UNION,HALF, .75MPX .75DT,BRS	27088	1
212	SCR,HEX HD,CAP, .31-18X1.00,SS	E0224	4
213	WSHR,FLT, .31 NOM ID,STL,CAD	E7115	8
214	WSHR,LOCK,SPR, .31ND,STL,CAD	E0218	4
215	NUT,HEX, .31-18,STL,CAD	E5545	4
216	JCT BOX ASSY,PUMP,110V,120V	86188	1
217	BRKT,JCT BOX	67698	1
218	WSHR,FLT, .27X .62X.06THK,SST	E6478	4
219	WSHR,LOCK,SPR, .25ND,STL,CAD	E5413	2
221	SCR,PAN HD,PHL, .25-20X .63,SS	E5087	2
222	NUT,HEX,JAM, .25-20,STL,CD PL	E4987	2
250	CONDUIT ASSY,1B TO 11A,MC4133	87779	1

Assembly Number: 86390 (Rev. E)

PUMP PKG,BSTR,115V,50HZ,1PH

Item	Description	Part Number	Qty
201	PUMP,CNTFGL,3/4HP,115V,1PH"	67378	1
203	ELB,ST,90,1.00FPX1.00MP,BRS"	12267	1
204	RDCR,BSHG,1.25MPX1.00FP,BRS"	36170	1
206	NIPPLE,CLOSE,1.00NPT,BRS"	12369	1
208	UNION,HALF, .75MPX .75DT,BRS"	27088	1
212	SCR,HEX HD,CAP, .31-18X1.00,SS"	E0224	4
213	WSHR,FLT, .31 NOM ID,STL,CAD"	E7115	8
214	WSHR,LOCK,SPR, .31ND,STL,CAD"	E0218	4
215	NUT,HEX, .31-18,STL,CAD"	E5545	4
216	JCT BOX ASSY,PUMP,110V,120V"	86188	1
217	BRKT,JCT BOX"	67698	1
218	WSHR,FLT, .27X .62X.06THK,SST"	E6478	4
219	WSHR,LOCK,SPR, .25ND,STL,CAD"	E5413	2
221	SCR,PAN HD,PHL, .25-20X .63,SS"	E5087	2
222	NUT,HEX,JAM, .25-20,STL,CD PL"	E4987	2
250	CONDUIT ASSY,1B TO 11A,MC4133,"	87779	1

87660

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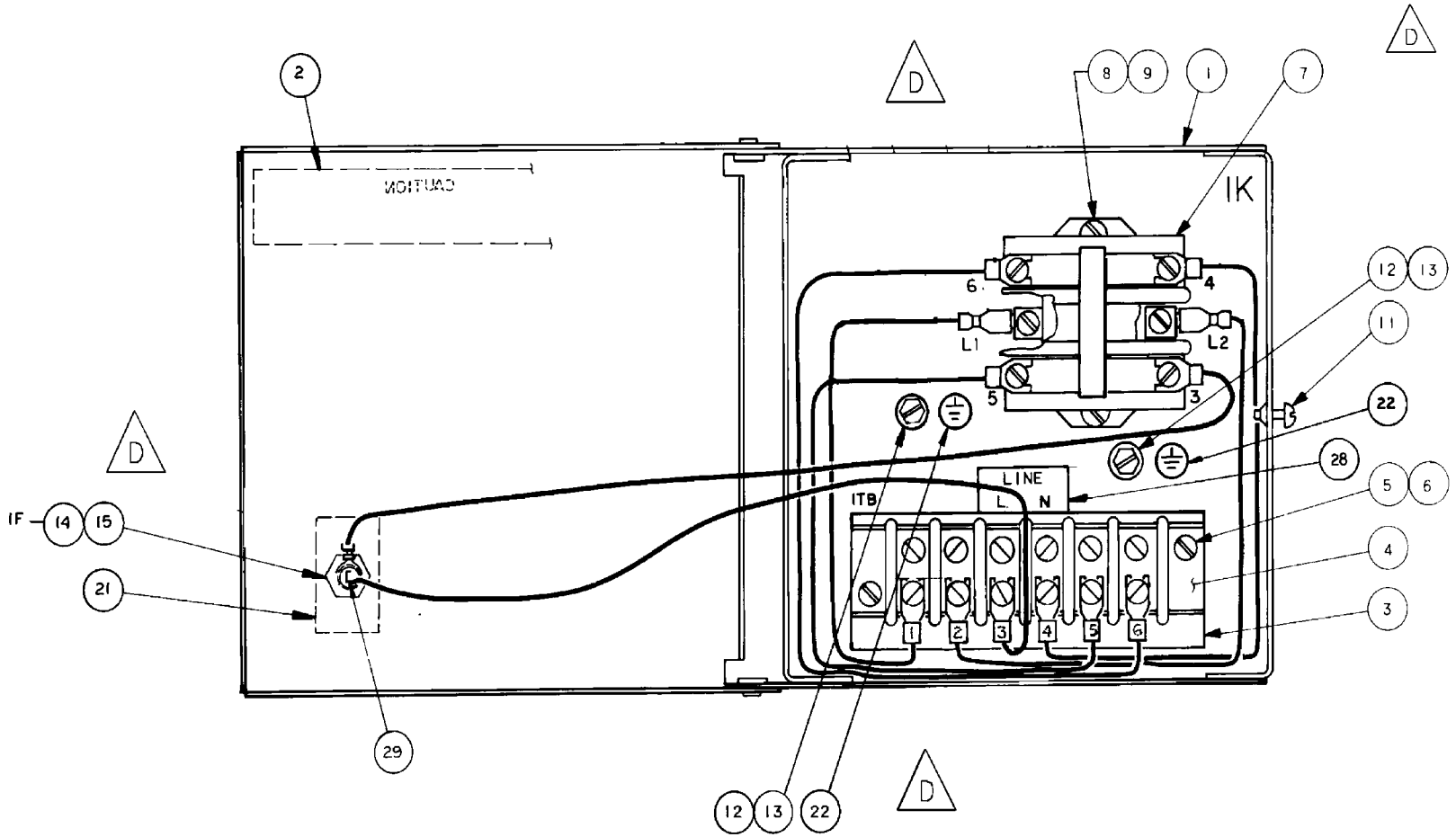

PART NO.	DESCRIPTION
86188	JUNCTION BOX ASSY, 110/120V
87661	JUNCTION BOX ASSY, 220/240V

LTR	ECO NO	BY	DATE
E			
D	121150	RR	5/9/03
C	114930	ED	12/4/86
B	300277U	CBA	8/15/84
A	300272G	CMM	3/27/84
REL	300265A	CM	10/27/83

REVISIONS

MATERIAL

FINISH NONE

NEXT ASSEMBLY | QTY PER ASSEMBLY

GETINGE SOURCING LLC
1777 EAST HENRIETTA ROAD
ROCHESTER NY 14623-3133

BREAK ALL EDGES
TOLERANCE UNLESS OTHERWISE SPECIFIED
2 PLACE DECIMAL
3 PLACE DECIMAL
ANGLE

SCALE NTS

DRAWN CMM 10/27/83

TITLE JUNCTION BOX ASSY, PUMP, BASIC

PRODUCT M/C STER

CHK 10/31/83

APPROVED 10/31/83

APPROVED 11-2-83

SUPERSEDES 86188 DATED 8/25/82

SIZE C | SHEET | OF

DRAWING PART NO 87660 | REV D

Assembly Number: 86188 (Rev. M)

JCT BOX ASSY,PUMP,110V,120V

Item	Description	Part Number	Qty
1	BOX,JCT,6.00X6.00X3.00,MODIFID	86189	1
2	LABEL,CAUTION,CKT	61453	1
3	STRIP,MARKER	52283	1
4	TERM BLK,(6)TERM,# 6SCR	21814	1
5	SCR,PAN HD,PHL, .16-32X .50,SS	E6835	2
6	WSHR,LOCK,INT, .16ND,STL,CAD	E2041	2
7	CONTACTOR,3 POLE,115V COIL	27029	1
8	SCR,PAN HD,PHL, .19-32X1.00,SS	E0176	2
9	WSHR,LOCK,INT, .19ND,STL,ZN PL	E2044	2
11	SCR,PAN HD,PHL, .16-32X .38,SS	E5027	1
12	SCR,GROUND, .19-32X .38,ST	E6645	2
13	WSHR,CUP, .21X .54X.03THK,BRS	61419R	2
14	HLDR,FUSE,15A,250V,1/4 FASTON	13345R	1
15	FUSE,15.0A,250V,.25DIAX1.25,CE	58147	1
21	LABEL,FUSE,15 AMP	67368	1
22	LABEL,EARTH GROUND	65723R	2
23	WIRE PKG,J-BOX,PUMP	61301605288	1
28	LABEL,LINE CONN,L,N	87449	1

Section 8 Uninterruptible Power Supply (Option)

This section contains an illustrated parts breakdown for the Uninterruptible Power Supply (UPS) option.

DRAWING/PART NO. 700244
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FIELD INSTRUCTIONS:

A) CUT OFF UNIT POWER CORD PLUG AND STRIP JACKET BACK TO LENGTH AS INDICATED.

B) REMOVE EXISTING SCREW AT THIS LOCATION. USE LONGER SCREW (ITEM 5) AND LOCKWASHER (ITEM 6) TO SECURE WIRE TIE TO BACK OF UPS.

C) PLUG POWER CORD INTO BACK OF UPS AS SHOWN. SECURE CORD TO UPS WITH WIRE TIE (ITEM 2).

D) MAKE ELECTRICAL CONNECTIONS TO STERILIZER PER WIRING DIAGRAM, P/N W1273 (100/200 SERIES STERILIZERS) OR W1306 (400/500/700/800 SERIES STERILIZERS).

E) WHEN THE UPS IS INSTALLED ON A 700 OR 800 SERIES STERILIZER, REPLACE THIS MARKER WITH THE ONE STAMPED "18A CUSTOMER I/F BOX".

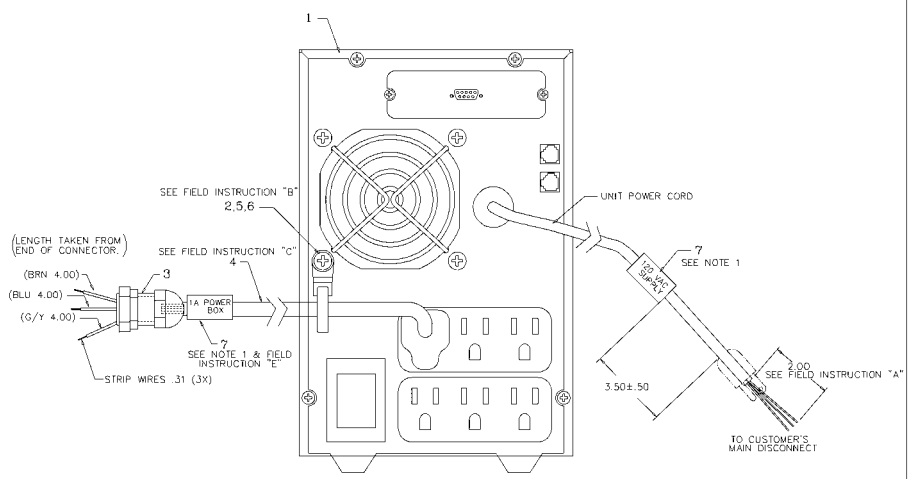
G) THE UPS SHALL NOT BE MECHANICALLY FASTENED TO ANY PART OF THE STERILIZER.

H) THE UPS HAS AN OPERATING TEMPERATURE OF 0° TO 40°C (32° TO 104°F) AND A RELATIVE HUMIDITY SPECIFICATION OF 5 TO 95% NONCONDENSING.

NOTES TO ASSEMBLY DEPT:

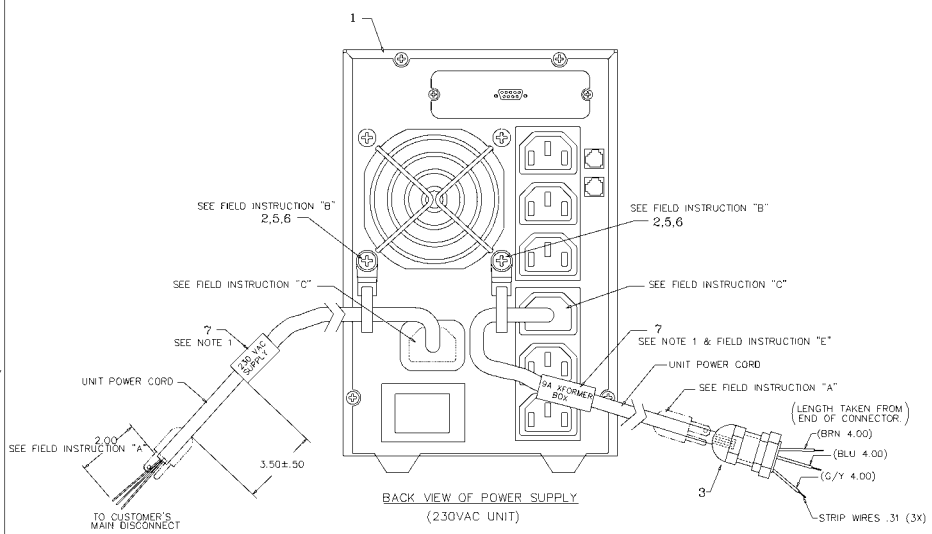
1) STAMP MARKERS (ITEM 7) AS INDICATED. STAMP ADDITIONAL MARKER WITH "18A CUSTOMER I/F BOX".

2) INSERT ITEMS 2 THROUGH 7 AND ITEM 10, WITH A COPY OF THIS DRAWING, A COPY OF THE BILL OF MATERIALS, AND A COPY OF THE WIRING DIAGRAMS (W1306 AND W1273) INTO THE ZIPLOCK BAG (ITEM 8). PLACE BAG INSIDE SHIPPING CARTON OF ITEM 1 AND MARK CARTON WITH PART NUMBER OR 99-01.



BACK VIEW OF POWER SUPPLY
(120VAC UNITS)

REV	LATEST ECO	PART NO.	DESCRIPTION
D	120562	61301602038	UPS PACKAGE, 120VAC
C	120562	61301602956	UPS PACKAGE, SHIPBOARD POWER



BACK VIEW OF POWER SUPPLY
(230VAC UNIT)

REV	LATEST ECO	PART NO.	DESCRIPTION
B	120562	61301609065	UPS PACKAGE, 230VAC

LTR	ECO NO.	BY	DATE
C	120660	KC	10/24/02
B	120562	KC	06/27/02
A	119006	CC	03/23/99

REVISIONS

REF DOCUMENTS	
SUPERSEDES	
MATERIAL	
FINISH	NONE
SCALE	NTS
DRAWN BY	CC 03/23/99
APPROVED	R.HEMMEL 11/23/98
APPROVED	RICK STEINER 11/23/98
APPROVED	R.HUTCHINSON 11/23/98
APPROVED	

Getinge/Castle, Inc.
1777 East Henrietta Road
Rochester, NY 14623-3133

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DO NOT SCALE THIS DRAWING
NOTES: WHOLE PROJECTION
ALL DIMENSIONS ARE INCHES UNLESS NOTED OTHERWISE
TOLERANCE UNLESS DIMENSIONS SPECIFIED
2 PLACE DECIMAL ±.02
3 PLACE DECIMAL ±.005
ANGLE ±1°

TITLE: UPS PKG, 1.5KVA, BASIC
PRODUCT: PACS
PROJECT NO: 8100
SIMILAR TO:
SIZE: D
SHEET 1 OF 1
DRAWING/PART NO: 700244
REV: C

833HCMC Steam Sterilizer

700244C

Assembly Number: 61301602038 (Rev. D)

UPS PKG(UNINTERUPTED PWR SUP)

Item	Description	Part Number	Qty
1	UPS (UNINTRUPTBLE PWR SUPPLY)	61301602039	1
2	CLAMP,STD,.138 SCR HOLE	86571	1
3	CONN,LIQ-TIGHT,.80DIA MTG	69003	1
4	CORD,POWER 9'-10"	517464	1
5	SCR,PAN HD,PHL, .14-32X .38,SS	E5013	1
6	WSHR,LOCK,EX, .14X .29X.02,SST	E7290	1
7	MARKER,CORD,COMPUTER-PRINTABLE	511419	3
8	BAG,ZIPLOCK, 5.00X 8.00	24696	1
9	LABEL,SLEEP MODE,UPS,	61301602896	1

Assembly Number: 61301602956 (Rev. C)

UPS PKG,SHIPBOARD POWER

Item	Description	Part Number	Qty
1	UPS,SHIPBOARD,1500VA/960W	61301602957	1
2	CLAMP,STD,.138 SCR HOLE	86571	1
3	CONN,LIQ-TIGHT,.80DIA MTG	69003	1
4	CORD,POWER 9'-10""	517464	1
5	SCR,PAN HD,PHL, .14-32X .38,SS	E5013	1
6	WSHR,LOCK,EX, .14X .29X.02,SST	E7290	1
7	MARKER,CORD,COMPUTER-PRINTABLE	511419	3
8	BAG,ZIPLOCK, 5.00X 8.00	24696	1
9	LABEL,SLEEP MODE,UPS,	61301602896	1

Assembly Number: 61301609065 (Rev. B)

UPS PKG,230V

Item	Description	Part Number	Qty
1	UPS,UNINTERRPUTED PWR SUP,230V	61301609064	1
2	CLAMP,STD,.138 SCR HOLE	86571	2
3	CONN,LIQ-TIGHT,.80DIA MTG	69003	1
5	SCR,PAN HD,PHL, .14-32X .38,SS	E5013	2
6	WSHR,LOCK,EX, .14X .29X.02,SST	E7290	2
7	MARKER,CORD,COMPUTER-PRINTABLE	511419	3
8	BAG,ZIPLOCK, 5.00X 8.00	24696	1
9	LABEL,SLEEP MODE,UPS,	61301602896	1

Section 9 Universal Transformer (Option)

This section contains an illustrated parts breakdown for the Universal Transformer option.

DRAWING/PART NO. 513792
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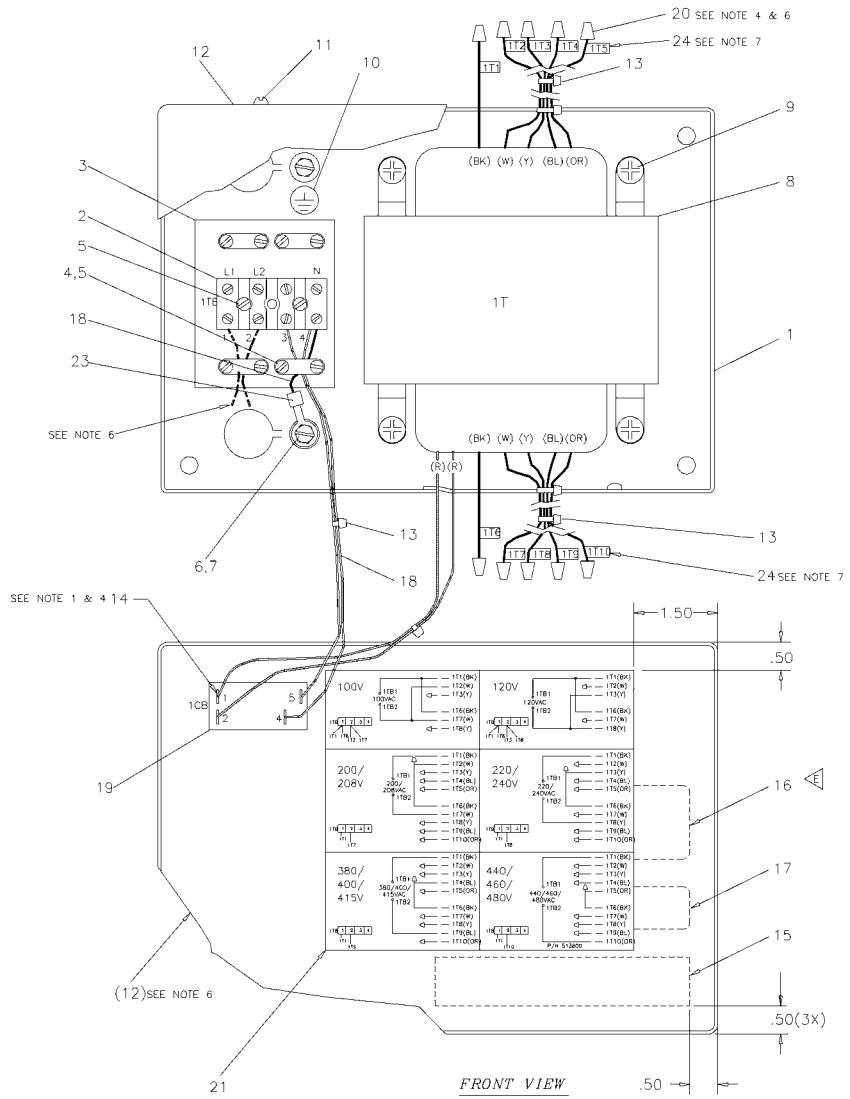


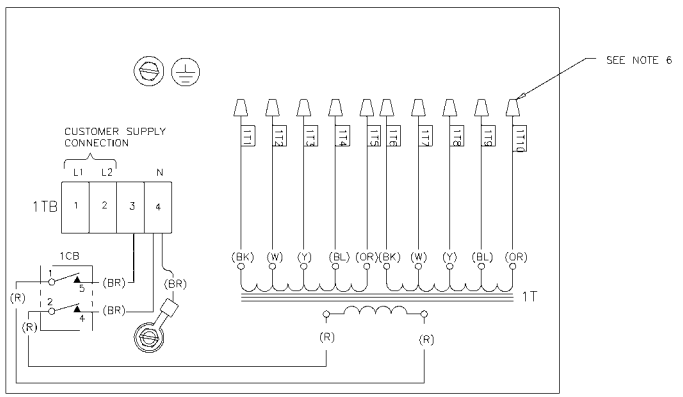
FRONT VIEW
COVER OPEN

NOTE: SEE WIRE RUN LIST

FOR TERMINATION & WIRE LENGTH INFORMATION
1. CRIMP ALL TERMINALS.
2. ALL WIRE LENGTHS ON WIRE RUN LIST ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
3. WIRE TOLERANCES: WIRE LENGTH: +.25–.00
   STRIP LENGTH:+/–.03
4. CUT ALL TRANSFORMER WIRES TO A LENGTH OF 12.00. STRIP .31 INSULATION FROM EACH WIRE TERMINATE AS SHOWN.
5. COVER SHOWN BROKEN AND OPEN FOR CLARITY.
6. INTERNAL WIRING CONFIGURATION ON PRIMARY SHALL BE DONE AT CUSTOMER SITE USING THE INSTRUCTIONS ON LABEL, ITEM 21.
7. STAMP MARKER ITEM 24 AS INDICATED.

30A
STEAM GENERATOR CONTROLS
POWER SUPPLY (FOR IEC APPROVED MODELS)

8A
POWER SUPPLY
(FOR IEC APPROVED MODELS)



WIRING DIAGRAM

REV	ECO NO	BY	DATE
E	119003	PJD	05/21/99
D	118761	JS	05/11/98
C	117454B	GH	8/15/94
B	117190D	DN	4/13/93
A	116751A	PC	5/15/91
REL	116141	JN	6/28/89

REVISIONS

REF DOCUMENTS

SUPERSEDES

Getinge/Castle, Inc.
1777 East Henrietta Road
Rochester, NY 14623-3133

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DO NOT SCALE THIS DRAWING
THIRD ANGLE PROJECTION

ALL DIMENSIONS ARE INCHES UNLESS NOTED OTHERWISE

TOLERANCE UNLESS OTHERWISE SPECIFIED:
2 PLACE DECIMAL ±.02
3 PLACE DECIMAL ±.005
ANGLE ±1°

MATERIAL

FINISH NONE

SCALE 1 = 1

DRAWN BY PJD 11/11/88

TITLE: TRANSFORMER ASSY, EXPORT, UNIVERSAL

PRODUCT: M/C STERILIZER

PROJECT NO.

CHK'R TO MFG 11/18/88

SIM'LAR TO

APPROVED CHK'R P.M. 11/18/88

SIZE D

SHEET 1 OF 1

APPROVED MFG ENG'R P.E. 11/21/88

DRAWING/PART NO. 513792

REV E

513792E

Drawing 513792

Assembly Number: 513972 (Rev. E)

XFMR ASSY, EXPORT, UNIVERSAL

Item	Description	Part Number	Qty
1	BOX ASSY,UNIV XFMR	513793	1
2	BLK,TERM	86707R	1
3	INSUL,PLATE,XFMR BOX	513796	1
4	CLAMP,SMALL	67949R	8
5	SCR,PAN HD,PHL, .11-40X .75,SS	E6900	10
6	WSHR,CUP, .21X .54X.03THK,BRS	61419R	2
7	SCR,GROUND, .19-32X .38,ST	E6645	2
8	XFMR,UNIV VOLTAGE	513797	1
9	SCR,TRS HD,PHL, .19-32X .50,SS	E6898	4
10	LABEL,EARTH GROUND	65723R	1
11	SCR,PAN HD,PHL, .19-32X .38,SS	E4941	2
12	COVER,XFMR BOX	513798	1
13	TIE,CABLE	33511R	7
14	TERM,FEM,.25 SLIPON,16-14 WIRE	12972R	4
15	LABEL,CAUTION,CKT	61453	1
16	LABEL,RATING,XFMR,UNIV	61301602914	1
17	LABEL,USE CU CONDUCTORS,60 C	60667R	1
18	WI 16 AWG STRD BN R	R3385	3.5
19	BRKR,CIRCUIT,12.0 AMP	513799	1
20	NUT,WIRE,2#18MIN,2#16MAX	B0105	10
21	LABEL,UNIV INPUT VOLTAGE	513800	1
23	TERM,RING,10STUD,22-16WIRE	49106R	1
24	MARKER,CORD,COMPUTER-PRINTABLE	511419	2

Section 10 Water Saver Package (Option)

This section contains an illustrated parts breakdown for the MP-129E Water Saver option:

- Water Saver Package
- Piping Package
- Motor I/F Box (32 AMP)
- 220V Conversion Package

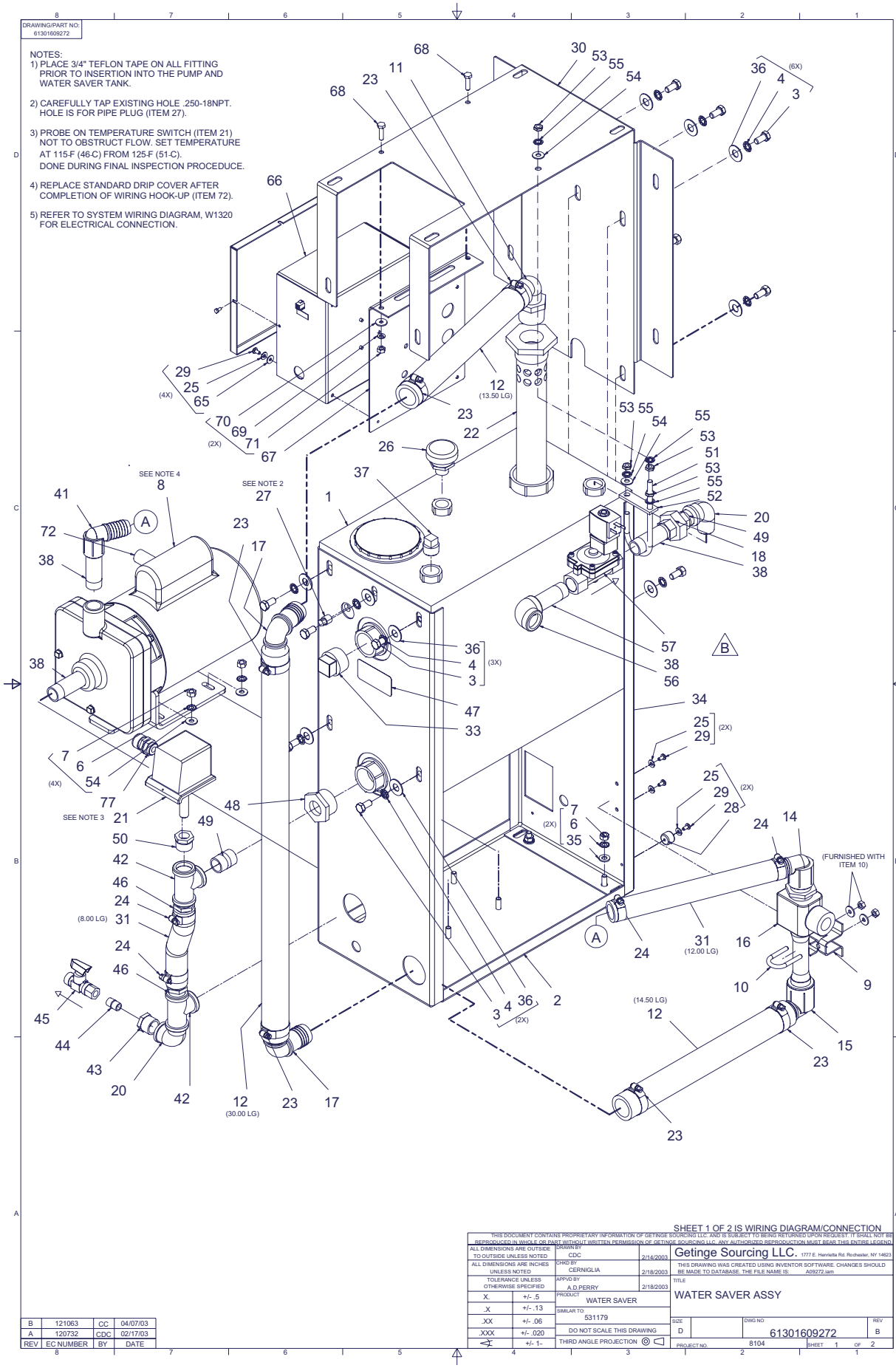
NOTE ▶

For parts information for Water-Saver versions prior to MP-129E, refer to User Manual 350545.

Assembly Number: 61301609555 (Rev. A)

MP129E-WS800,WTRSVR,120V

Item	Description	Part Number	Qty
1	MANUAL(U)-WATER SAVER	350545	1
2	CASTLE,WATER SAVER SYS	HS03472	1
3	WATERSAVER PKG,WS4/5/7/800	61301609272	1
4	PIPING PKG,WS800,WATERSAVER	61301609554	1
5	ID,WS700/800 WATERSAVER	PI0022	1
7	DIAG,WIRING,11A,WATERSAVER,WS	W1320	1


DRAWING/PART NO: 61301609272
NOTES:
1) PLACE 3/4" TEFLON TAPE ON ALL FITTING PRIOR TO INSERTION INTO THE PUMP AND WATER SAVER TANK.
2) CAREFULLY TAP EXISTING HOLE .250-18NPT. HOLE IS FOR PIPE PLUG (ITEM 27).
3) PROBE ON TEMPERATURE SWITCH (ITEM 21) NOT TO OBSTRUCT FLOW. SET TEMPERATURE AT 115-F (46-C) FROM 125-F (51-C). DONE DURING FINAL INSPECTION PROCEDUCE.
4) REPLACE STANDARD DRIP COVER AFTER COMPLETION OF WIRING HOOK-UP (ITEM 72).
5) REFER TO SYSTEM WIRING DIAGRAM, W1320 FOR ELECTRICAL CONNECTION.
SEE NOTE 4
SEE NOTE 2
SEE NOTE 3
(6X)
(4X)
(2X)
(3X)
(8.00 LG)
(13.50 LG)
(12.00 LG)
(30.00 LG)
(14.50 LG)
(FURNISHED WITH ITEM 10)
SHEET 1 OF 2 IS WIRING DIAGRAM/CONNECTION
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ALL DIMENSIONS ARE OUTSIDE TO OUTSIDE UNLESS NOTED
ALL DIMENSIONS ARE INCHES UNLESS NOTED
TOLERANCE UNLESS OTHERWISE SPECIFIED
X. +/- .5
.X +/- .13
.XX +/- .06
.XXX +/- .020
+/- 1-
DRAWN BY CDC 2/14/2003
CHKD BY CERNIGLIA 2/18/2003
APPVD BY A.D.PERRY 2/18/2003
Getinge Sourcing LLC. 1777 E. Henrietta Rd. Rochester, NY 14623
THIS DRAWING WAS CREATED USING INVENTOR SOFTWARE. CHANGES SHOULD BE MADE TO DATABASE. THE FILE NAME IS: A09272.iam
TITLE
WATER SAVER ASSY
PRODUCT
WATER SAVER
SIMILAR TO: 531179
DO NOT SCALE THIS DRAWING
THIRD ANGLE PROJECTION
SIZE D
DWG NO 61301609272
REV B
PROJECT NO. 8104
SHEET 1 OF 2
B 121063 CC 04/07/03
A 120732 CDC 02/17/03
REV EC NUMBER BY DATE

Assembly Number: 61301609272 (Rev. C)

WATERSAVER PKG,WS4/5/7/800

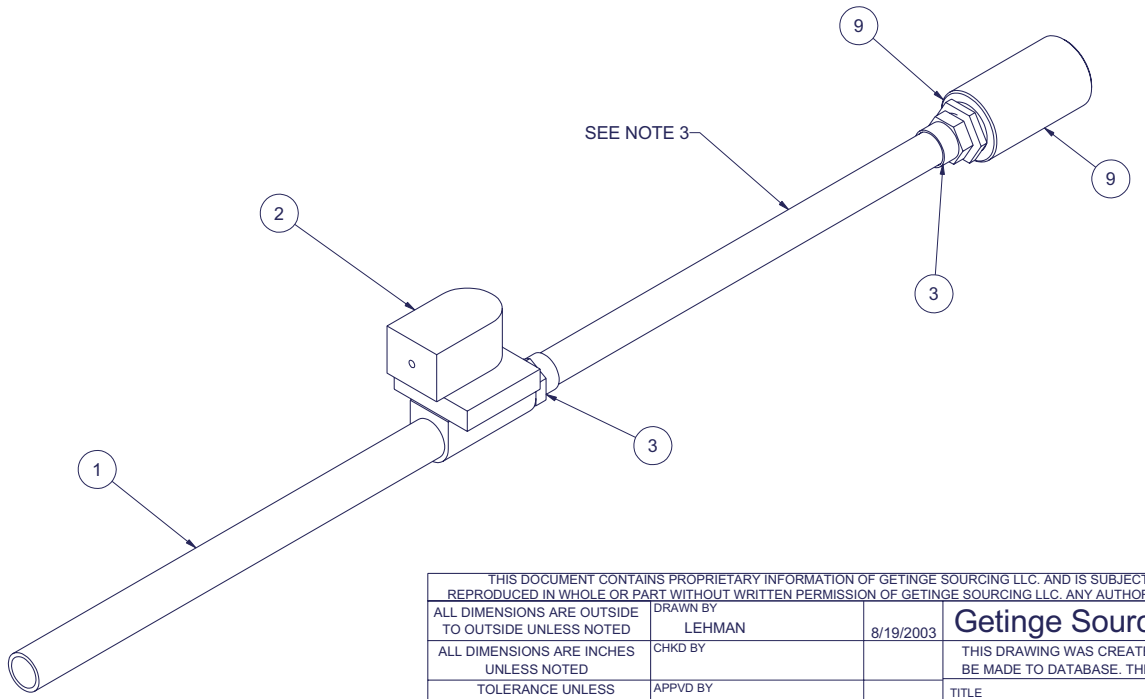
Item	Description	Part Number	Qty
1	TANK,MOLDED,WATER SAVER	531151	1
2	FRAME,WATER SAVER	531152	1
3	SCR,HEX HD,CAP, .38-16X .75,SS	E5137	11
4	WSHR,LOCK,INT, .38ND,SST	E6177	11
6	WSHR,LOCK,EX, .31X .61X.03,SST	E7291	6
7	NUT,HEX, .31-18,SST	E6058	6
8	PUMP,CENTRIFUGAL,2 HP	541766	1
9	BRKT,VENTURA	531153	1
10	U-BOLT,1.13ID	531154	1
11	ELB,90,1.25MPTX1.25ID HOSE,PLS	531218	1
12	TB R 1.741 .245 WALL R	R3896	5
14	ELB,90,1.00FPTX1.00ID HOSE,PVC	531220	1
15	ELB,90,1.25FPTX1.25ID HOSE,PVC	531221	1
16	EJCTR,WTR,1.25NPT,BRZ,LM	66762	1
17	ELB,90,1.25ID HOSEX1.25ID,PLS	531222	2
18	UNION,FEM, .75FPX .75FP,BRS	12289	1
20	ELB,ST,90, .75FPX .75MP,BRS	12265	2
21	SW,TEMP,120-140 DEG F, .38NPT	539126	1
22	ANTI-CAVITATION ASSY	531226	1
23	CLAMP,HOSE,1.44ODX2.50,SST	523388	6
24	CLAMP,HOSE, .75ODX1.50,SST	523387	4
25	WSHR,LOCK,SPR, .19ND,SST	E7034	8
26	VALVE,RELIEF,VACUUM	531230	1
27	PLUG,PIPE, .25MPT,BRS	12296	1
28	BUMPER,RECESSED,RUBBER	531216	2
29	SCR,PAN HD,PHL, .19-32X .38,SS	E4941	8
30	BRKT,MTG,WATER SAVER	531182	1
31	TB R 1.375 .188 WALL R	R3897	2
33	PLUG,PIPE,1.25MPT,PVC	531250	1
34	FRAME,SIDE,WATERSAVER	532496	1
35	WSHR,FLT, .34X .69X.08THK,SST	E7038	2
36	WSHR,FLT, .52X1.13X.06THK,SST	E2254	11
37	PLUG,PIPE, .75MPT,BRS	12300	1
38	NIPPLE, .75NPTX 3.00 L,BRS	12439	4
41	ELB,90,RED, .75FPTX1.00ID,PVC	531248	1
42	TEE, .75FPX .75FPX .75FP,BRS	12326	2
43	RDCR,BSHG, .75MPX .25FP,BRS	21137	1
44	NIPPLE,CLOSE, .25NPT,BRS	12365	1
45	VALVE,BALL, .25FPT	516637	1
46	CONN, .75MPX 1.00O HOSE SHK	69691	2
47	LABEL,RATING,CONTROL BOX	61301602890	1

WATERSAVER PKG,WS4/5/7/800 (Continued)

Item	Description	Part Number	Qty
48	RDCR,BSHG,1.25MPX .75FP,BRS	12211	1
49	NIPPLE,CLOSE, .75NPT,BRS	12368	2
50	RDCR,BSHG, .75MPX .38FP,BRS	48333	1
51	CLAMP,""J"",5.00	61301603899	1
52	STRAP,J CLAMP	61301602747	1
53	NUT,HEX,JAM, .31-18,SST	E6873	4
54	WSHR,FLT, .31X .75X.06THK,ZNC	E0123	6
55	WSHR,LOCK,INT, .31ND,STL,CAD	E0157	3
56	ELB,FEM,90, .75FPX .75FP,BRS	12249	1
57	VALVE,SOL,WTRHMR,2 WAY, .75NPT	61301609315	1
65	WSHR,FLT, .19 NOM ID,SST	E7101	4
66	BOX ASSY,I/F,PUMP,MOTOR,32AMPS	61301609248	1
67	BRKT,SPRT,ELEC BOX	61301602279	1
68	SCR,HEX HD,CAP, .25-20X1.00,SS	E5536	2
69	WSHR,LOCK,SPR, .25ND,SST	E4671	2
70	WSHR,FLT, .25 NOM ID,SST	E7023	2
71	NUT,HEX, .25-20,SST	E2239	2
72	CONDUIT ASSY,PUMP TO I/F BOX	61301609250	1
73	RELAY,OVERLOAD,23-32AMPS	61301603224	1
74	SUPPR ASSY,R-C,FORK TERM	61301602677	1
75	CORD ASSY,11A1P-2A6P,20’	61301601245	1
76	CORD ASSY,SOL,DIN CONN,4 FT	61301609334	1
77	CORD ASSY,MLX 1/4-TERMS,6’	61301600803	1
78	CONN,SET-SCR,WIRE-NUT	86932	1
79	TERM,SPADE,#6,AVIKRIMP,22-18,T	61301600260	1
80	LABEL PKG,CORDS,WATERSAVER,WS	61301609259	1
81	CORD ASSY,SV,16’	61301608907	1
82	CORD ASSY,""Y"" CONNECTOR	61301603549	1
83	LABEL,RATING,PMP/MTR,115V,26A	61301609577	1

DRAWING/PART NO:
61301609554

NOTE:
1) ITEM 5 (48367) NOT SHOWN. USED FOR CONNECTION OF 76" SIZE STERILIZER. ASSEMBLY SHOWN FOR 42" SIZE STERILIZER.
2) ITEMS 4 & 6 (ELBOWS), NOT SHOWN, INCLUDED TO BE USED IF NEEDED.
3) 1" COPPER TUBING TO BE SUPPLIED BY CUSTOMER.



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TOLERANCE UNLESS OTHERWISE SPECIFIED	APPVD BY		TITLE: PIPING PKG, WS800, WATERSAVER
.XX	+/- .02	PRODUCT: WS800	
.XXX	+/- .005	SIMILAR TO:	
	+/- 1~	DO NOT SCALE THIS DRAWING	SIZE: B — DWG NO: 61301609554 — REV: 1
		THIRD ANGLE PROJECTION	PROJECT NO.: 8104 — SHEET 1 OF 1

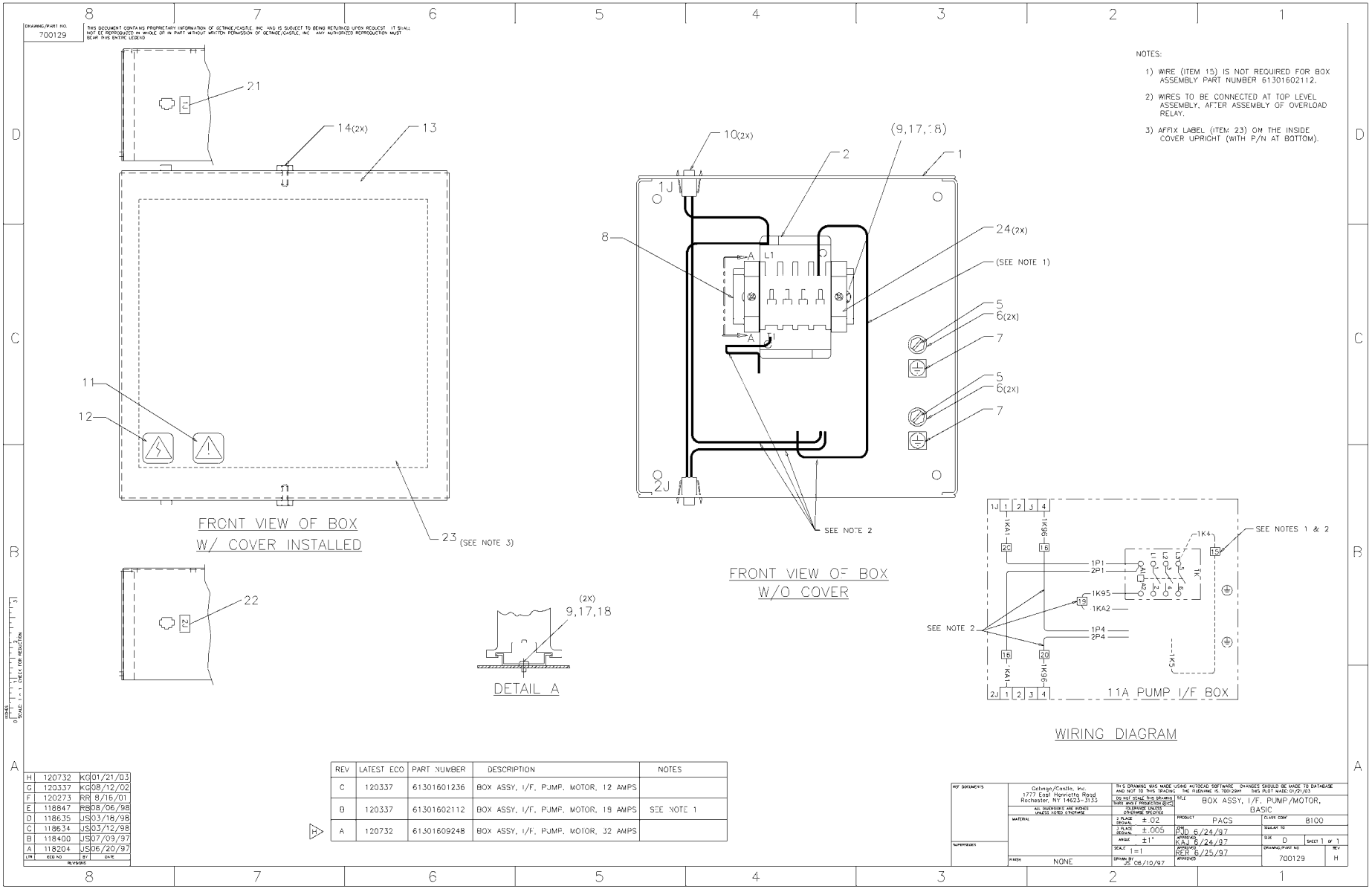
REV	EC NUMBER	BY	DATE
1			

A09554

Assembly Number: 61301609554 (Rev. A)

PIPING PKG,WS800,WATERSAVER

Item	Description	Part Number	Qty
2	NIPPLE,1.00NPTX18.00 L,BRS	70434	1
3	VALVE,SOL,2WAY,NC,1.00,24V,AFL	61301604082	1
4	ELB,SLDR,90,1.00C X1.00C ,CU	3009020	2
5	RDCR,BSHG,1.50MPX1.00FP,BRS	48367	1
6	ELB,ST,90,1.00FPX1.00MP,BRS	12267	1
7	ADPTR,1.00MPTX1.00C ,CU	3009280	1
8	RDCR,BSHG,1.25MPX1.00FP,BRS	36170	1
9	VALVE,CHK,1.25NPT,IN-LINE,BRZE	14882	1



REV	LATEST ECO	PART NUMBER	DESCRIPTION	NOTES
C	120337	61301601236	BOX ASSY, I/F, PUMP, MOTOR, 12 AMPS	
B	120337	61301602112	BOX ASSY, I/F, PUMP, MOTOR, 18 AMPS	SEE NOTE 1
A	120732	61301609248	BOX ASSY, I/F, PUMP, MOTOR, 32 AMPS	

LTR	ECO NO	BY	DATE
H	120732	KG	01/21/03
G	120337	KG	08/12/02
F	120273	RR	8/16/01
E	118847	RB	08/06/98
D	118635	JS	03/18/98
C	118634	JS	03/12/98
B	118400	JS	07/09/97
A	118204	JS	06/20/97

REVISIONS

Getinge/Castle, Inc.
1777 East Henrietta Road
Rochester, NY 14623-3133

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THIRD ANGLE PROJECTION (ECO)
ALL DIMENSIONS ARE INCHES UNLESS NOTED OTHERWISE
TOLERANCE UNLESS OTHERWISE SPECIFIED
MATERIAL
2 PLACE DECIMAL ± .02
3 PLACE DECIMAL ± .005
ANGLE ±1°
SCALE 1=1
FINISH NONE
DRAWN BY JC 06/10/97
CHECKED PD 6/24/97
ENGINEERING APPROVAL KAJ 6/24/97
QUALITY APPROVAL RCR 6/25/97
APPROVED

TITLE BOX ASSY, I/F, PUMP/MOTOR, BASIC
PRODUCT PACS
CLASS CODE 8100
SIMILAR TO
SIZE D
SHEET 1 OF 1
DRAWING/PART NO 700129
REV H

700129H

Assembly Number: 61301609248 (Rev. B)

BOX ASSY,I/F,PUMP,MOTOR,32AMPS

Item	Description	Part Number	Qty
1	BOX,INTERFACE,BOOSTER PUMP	61301601235	1
2	CONTACTOR,32AMPS,24VAC	61301609249	1
5	SCR,GROUND, .19-32X .38,ST	E6645	2
6	WSHR,LOCK,INT, .19ND,SST	E7385	4
7	LABEL,EARTH GROUND	65723R	2
8	RAIL,MOUNTING,3""	523402	1
9	SCR,PAN HD,PHL, .19-32X .38,SS	E4941	2
10	HOUSING,MLX,4-CRKT W/MTG EARS	523154	2
11	LABEL,ATTENTION,INT'L	539427	1
12	LABEL,SHOCK,INT'L	539428	1
13	COVER,INTERFACE BOX	61301601237	1
14	SCR,HEX HD,CAP, .16-32X .31,SS	E6870	2
15	WIRE ASSY,10 AWG,W,14""	61301609576	1
16	WIRE ASSY,16 AWG,W,15""	61301601243	2
17	WSHR,FLT, .19 NOM ID,SST	E7101	2
18	WSHR,LOCK,SPR, .19ND,SST	E7034	2
19	WIRE ASSY,16 AWG,W,6""	61301601283	1
20	WIRE ASSY,16 AWG,W,8""	61301601286	2
21	LABEL,IDENT PUMP BOX,1J	61301601293	1
22	LABEL,IDENT PUMP BOX,2J	61301601294	1
23	LABEL,WIRING DIAG,PUMP I/F BOX	61301601384	1
24	BRKT,TERM END,TYPE EW35	P0023002	2

Assembly Number: 61301609274 (Rev. B)

MP129F-WS700/800 WATERSVR,220V

Item	Description	Part Number	Qty
1	RELAY,OVERLOAD,12.0-18.0AMPS	61301602113	1
2	LABEL,RATING,PMP/MTR,230V,13A	61301609578	1

ACTR,LIMIT SW 2–7
ACTR,SW 4–18
ACTR,SW 4–7
ADH,#3M SPRAY 77 4–17
ADH,#3M SPRAY 77 4–20
ADH,#3M SPRAY 77 4–7
ADH,#3M SPRAY 77 4–9
ADPTR,1.00MPTX1.00C ,CU 10–9
ADPTR,PERSS,XDCR,1.25,BRASS 5–3
ALARM PKG,HI WATER,MC4200 7–15
ALARM PKG,HI WATER,MC4200 7–7
ALARM,CONTINUOUS TONE,4-28ACDC 5–13
ANTI-CAVITATION ASSY 10–5
ARM,SUPPORT,1.375TK,CFS 4–15
ARM,SUPPORT,1.375TK,CFS 4–5
BAFFLE ASSY,STM,3230 7–12
BAFFLE ASSY,STM,3230 7–4
BAG,ZIPLOCK, 5.00X 8.00 8–3
BAG,ZIPLOCK, 5.00X 8.00 8–3
BAG,ZIPLOCK, 5.00X 8.00 8–3
BAR,BRACKET,DOOR 4–15
BAR,BRACKET,DOOR 4–5
BASE ASSY 2–7
BEARING ASSY,DOOR LIFT 4–18
BEARING ASSY,DOOR LIFT 4–7
BEARING ASSY,SLEEVE 4–16
BEARING ASSY,SLEEVE 4–5
BEARING,BRZE,.62DX.753OD 4–23
BEARING,BRZE,.62DX.753OD 4–27
BEARING,ECCENTRIC,BRONZE 4–14
BEARING,ECCENTRIC,BRONZE 4–19
BEARING,ECCENTRIC,BRONZE 4–4
BEARING,ECCENTRIC,BRONZE 4–9
BEARING,ECCENTRIC,LIFT CAM 4–14
BEARING,ECCENTRIC,LIFT CAM 4–19
BEARING,ECCENTRIC,LIFT CAM 4–4
BEARING,ECCENTRIC,LIFT CAM 4–9
BEARING,NEEDLE,#DC, .88DX1.12 4–23
BEARING,NEEDLE,#DC, .88DX1.12 4–27
BEARING,OILITE,.38DX.50DX1.00L 4–10
BEARING,OILITE,.38DX.50DX1.00L 4–15
BEARING,OILITE,.38DX.50DX1.00L 4–20
BEARING,OILITE,.38DX.50DX1.00L 4–5
BEARING,SLEEVE, .75DX .88DX .6 4–23
BEARING,SLEEVE, .75DX .88DX .6 4–27
BEARING,THRUST, .50DX .93OD 4–17
BEARING,THRUST, .50DX .93OD 4–7
BEARING,THRUST, .52DX1.24OD 4–23
BEARING,THRUST, .52DX1.24OD 4–27
BEARING,THRUST,1.00DX1.55OD 4–10
BEARING,THRUST,1.00DX1.55OD 4–15
BEARING,THRUST,1.00DX1.55OD 4–20
BEARING,THRUST,1.00DX1.55OD 4–23
BEARING,THRUST,1.00DX1.55OD 4–27
BEARING,THRUST,1.00DX1.55OD 4–5
BEZEL,BLANK,WALL MOUNT,WS 3–3
BEZEL,BLANK,WALL MOUNT,WS 3–5
BEZEL,NAMEPLATE 5–2
BEZEL,NAMEPLATE 5–4
BEZEL,OP30,WALL MOUNT,WS 3–3
BEZEL,OP30,WALL MOUNT,WS 3–5
BEZEL,PRT/SWITCH,COLUMN,700 3–3
BEZEL,SWITCH,COLUMN,700 3–5
BLK ASSY,STOP 4–14
BLK ASSY,STOP 4–19
BLK ASSY,STOP 4–4
BLK ASSY,STOP 4–9
BLK,FUSE,6 POSITION 5–8
BLK,HINGE 4–16
BLK,HINGE 4–5
BLK,LIFT MTG 2–7
BLK,LIFT,MTG(UPR) 2–7
BLK,TERM 9–3
BLOCK,PIN SUPPORT 4–15
BLOCK,PIN SUPPORT 4–5
BLOCK,SUPPORT,MPS 4–10
BLOCK,SUPPORT,MPS 4–15
BLOCK,SUPPORT,MPS 4–20
BLOCK,SUPPORT,MPS 4–5
BOLT,CARRIAGE,.50-13X 4.00,STL 1–3
BOLT,CARRIAGE,.50-13X 4.00,STL 1–4
BOX ASSY,I/F,4200-PACS3000 5–2
BOX ASSY,I/F,4200-PACS3000 5–4
BOX ASSY,I/F,PUMP,MOTOR,32AMPS 10–6
BOX ASSY,UNIV XFMR 9–3
BOX,CONTROL,WS 5–12
BOX,I/F,4200-PACS3000 5–19
BOX,I/F,DOORS 5–15
BOX,I/F,DOORS 5–16
BOX,INTERFACE,BOOSTER PUMP 10–11
BOX,JCT,6.00X6.00X3.00,MODIFID 7–19
BOX,POWER,WS 5–8
BOX,SWITCH,CART LIFT 2–3
BOX,SWITCH,CART LIFT 2–4
BOX,UTIL,4.00X 2.12X 2.12 2–7
BRACE 4–10
BRACE 4–19
BRACE,DOOR 4–15
BRACE,DOOR 4–4
BRKR,CIR,15A 5–8
BRKR,CIRCUIT,12.0 AMP 9–3
BRKT ASSY,LH 4–17
BRKT ASSY,LH 4–20
BRKT ASSY,RH 4–10
BRKT ASSY,RH 4–7
BRKT, LIMIT SWITCH, MTG 2–7
BRKT,ACTUATOR 2–7
BRKT,AIR RGLTR 7–14
BRKT,AIR RGLTR 7–6
BRKT,CONDUIT BOX MTG,SOL,MC MP 5–4
BRKT,COVER,MTG 2–7
BRKT,DOOR STOP 4–15
BRKT,DOOR STOP 4–5
BRKT,JCT BOX 7–16
BRKT,JCT BOX 7–8
BRKT,JCT BOX 7–8
BRKT,JCT BOX" 7–16
BRKT,MTG,CONT BOX,16"",PACS 5–2
BRKT,MTG,WATER SAVER 10–5
BRKT,PANEL STIFFENER 6–12
BRKT,PANEL STIFFENER 6–13
BRKT,PANEL STIFFENER 6–14
BRKT,PANEL STIFFENER 6–8
BRKT,PIPE SUPPORT 7–14
BRKT,PIPE SUPPORT 7–6
BRKT,POWER BOX MTG,TOP 5–2
BRKT,PUMP MTG 7–14
BRKT,PUMP MTG 7–6
BRKT,SHPNG 1–3
BRKT,SHPNG 1–4
BRKT,SPRT,ELEC BOX 10–6
BRKT,SUPPORT,HE 7–14
BRKT,TERM END,TYPE EW35 10–11
BRKT,VENTURA 10–5
BUMPER,RECESSED,RUBBER 10–5
BUSHING ASSY 4–10
BUSHING ASSY 4–15
BUSHING ASSY 4–20
BUSHING ASSY 4–5
BUSHING,FACE, .25MPX .12FP,BRS 7–4
BUSHING,FACE,1.00MPX .75FP 7–4
BUSHING,SNAP 6–10
BUSHING,SNAP 6–11
BUSHING,SNAP 6–12
BUSHING,SNAP 6–13
BUSHING,SNAP 6–14
BUSHING,SNAP 6–7
BUSHING,SNAP 6–8
BUSHING,SNAP 6–9
BUSHING,SNAP,SB-1500-18 6–10
BUSHING,SNAP,SB-1500-18 6–9
BUSHING,STRAIN RELIEF 5–3
CABLE ASSY,I/F BOX,1-3,6-8 SW 6–10
CABLE ASSY,I/F BOX,1-3,6-8 SW 6–9
CABLE TIE MOUNT 5–19
CAM 4–23
CAM 4–27
CAM,BTM 4–23
CAM,BTM 4–27
CAM,CTR 4–23
CAM,CTR 4–27
CAM,LIFT HOOKED NON-HINGED 4–14
CAM,LIFT HOOKED NON-HINGED 4–19
CAM,LIFT HOOKED NON-HINGED 4–4
CAM,LIFT HOOKED NON-HINGED 4–9
CAM,LIFT TOP HOOKED NON-HINGED 4–14
CAM,LIFT TOP HOOKED NON-HINGED 4–4
CAP,END 6–10
CAP,END 6–11
CAP,END 6–12
CAP,END 6–13
CAP,END 6–14
CAP,END 6–7
CAP,END 6–8
CAP,END 6–9
CAPACITOR,MTR RUN,250VAC 5–15
CAPACITOR,MTR RUN,250VAC 5–16
CASTLE,WATER SAVER SYS 10–3
CLAMP,""J"",5.00 10–6
CLAMP,HOSE, .75ODX1.50,SST 10–5
CLAMP,HOSE,1.44ODX2.50,SST 10–5
CLAMP,LOOP-TYPE,NYLON .62 ID 2–7
CLAMP,SMALL 5–8
CLAMP,SMALL 9–3
CLAMP,STD,.138 SCR HOLE 8–3
CLAMP,STD,.138 SCR HOLE 8–3
CLAMP,STD,.138 SCR HOLE 8–3
CLIP 6–3
CLIP 6–3
CLIP 6–4
CLIP 6–4
CLIP,PANEL RETAINING 6–11
CLIP,PANEL RETAINING 6–12
CLIP,PANEL RETAINING 6–13
CLIP,PANEL RETAINING 6–14
CLIP,RETAINING,CAPACITOR 5–15
CLIP,RETAINING,CAPACITOR 5–16
CLIP,THERMOSTAT BULB 4–18
CLIP,THERMOSTAT BULB 4–7
COIL,SOL,24V,238-212-005,6.1W 5–2
COIL,SOL,24V,238-612-005,10.1W 5–2
COIL,SOL,24V,238-812-005,10.1W 5–2
COLLAR ASSY 4–23
COLLAR ASSY 4–23
COLLAR ASSY 4–27
COLLAR ASSY 4–27
COLLAR,1.00IDX1.62ODX .75 THK 4–10
COLLAR,1.00IDX1.62ODX .75 THK 4–15
COLLAR,1.00IDX1.62ODX .75 THK 4–5
COLLAR,1.00IDX1.62ODX .75 THK" 4–20
COLLAR,GEARBOX 4–11
COLLAR,GEARBOX 4–17
COLLAR,GEARBOX 4–21
COLLAR,GEARBOX 4–7
COLLAR,HEX 4–14
COLLAR,HEX 4–19
COLLAR,HEX 4–4
COLLAR,HEX 4–9
COLLAR,SHAFT,1.00IDX3.50LG,CRS 4–10
COLLAR,SHAFT,1.00IDX3.50LG,CRS 4–15
COLLAR,SHAFT,1.00IDX3.50LG,CRS 4–20
COLLAR,SHAFT,1.00IDX3.50LG,CRS 4–5
CONDUIT ASSY,1B TO 11A,MC4133 7–16
CONDUIT ASSY,1B TO 11A,MC4133 7–8
CONDUIT ASSY,1B TO 11A,MC4133, ... 7–8
CONDUIT ASSY,1B TO 11A,MC4133," 7–16
CONDUIT ASSY,PUMP TO I/F BOX 10–6
CONDUIT PKG,28A,CE 2–3
CONDUIT PKG,28A,CE 2–4
CONDUIT PKG,29A,RE 2–4
CONN, .12FPX .12DT,BRS 6–10
CONN, .12FPX .12DT,BRS 6–11
CONN, .12FPX .12DT,BRS 6–12
CONN, .12FPX .12DT,BRS 6–13
CONN, .12FPX .12DT,BRS 6–14
CONN, .12FPX .12DT,BRS 6–7
CONN, .12FPX .12DT,BRS 6–8
CONN, .12FPX .12DT,BRS 6–9
CONN, .12FPX .25OD,STL 7–13
CONN, .12FPX .25OD,STL 7–5
CONN, .75MPX 1.00O HOSE SHK 10–5
CONN,JACK, 3 CONTACT 5–15
CONN,JACK, 3 CONTACT 5–16
CONN,JACK,12 CONTACT 5–15
CONN,JACK,12 CONTACT 5–16
CONN,LIQ-TIGHT,.80DIA MTG 5–12
CONN,LIQ-TIGHT,.80DIA MTG 5–19
CONN,LIQ-TIGHT,.80DIA MTG 8–3
CONN,LIQ-TIGHT,.80DIA MTG 8–3
CONN,LIQ-TIGHT,.80DIA MTG 8–3
CONN,MALE, .12MPX .25DT,BRS 7–5
CONN,MALE, .25MPX .25DT,BRS 7–13
CONN,MALE, .25MPX .25DT,BRS 7–5
CONN,MALE, .25MPX .31 DT 7–13
CONN,MALE, .25MPX .31 DT 7–5
CONN,MALE, .38MPX .50DT,BRS 7–13
CONN,MALE,COMP,.75MPX.75DT 7–7
CONN,PLUG-IN,8 PIN 5–12
CONN,PLUG-IN,9 PIN 5–12
CONN,SET-SCR,WIRE-NUT 10–6
CONN,THRMCPL,.187DIAX.125MP 7–13
CONN,THRMCPL,.187DIAX.125MP 7–5
CONT,VOLUME,ALARM 5–13
CONTACTOR,3 POLE,115V COIL 7–19
CONTACTOR,32AMPS,24VAC 10–11
CONTROL BOX ASSY,WS 5–2
CORD ASSY,""Y"" CONNECTOR 10–6
CORD ASSY,11A1P-2A6P,20' 10–6
CORD ASSY,15A-2A,4' 5–3
CORD ASSY,15A-2A,4' 5–4
CORD ASSY,4-COND,BARE,20' 5–4
CORD ASSY,ADAPTER,2A10PI,DD,WS 5–4
CORD ASSY,JUMPER,1,2 5–2
CORD ASSY,MLX 1/4-TERMS,6' 10–6
CORD ASSY,MLX 1-3/4-BARE,20' 5–4
CORD ASSY,MLX 2/3-BARE,20' 5–4

CORD ASSY,MLX 2/3-TERMS,7' 5–2
CORD ASSY,MLX 2/4/6-WIRE,6' 5–2
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WATERSAVER PKG,WS4/5/7/800 10–3
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WIRE ASSY,14 AWG,BR,4"" 5–8
WIRE ASSY,14 AWG,G/Y,4"" 5–9
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WIRE ASSY,16 AWG,W,12"" 5–13
WIRE ASSY,16 AWG,W,12"" 5–19
WIRE ASSY,16 AWG,W,12"" 5–8
WIRE ASSY,16 AWG,W,12"" 5–9
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WIRE ASSY,16 AWG,W,5"" 5–19
WIRE ASSY,16 AWG,W,5"" 5–9
WIRE ASSY,16 AWG,W,6"" 10–11
WIRE ASSY,16 AWG,W,6"" 5–19
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WIRE PKG,J-BOX,PUMP 7–19
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WSHR,CUP, .21X .54X.03THK,BRS 2–4
WSHR,CUP, .21X .54X.03THK,BRS 2–7
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WSHR,CUP, .21X .54X.03THK,BRS 5–16
WSHR,CUP, .21X .54X.03THK,BRS 7–19
WSHR,CUP, .21X .54X.03THK,BRS 9–3
WSHR,FLT, .12X .31X.04THK,STL 6–10
WSHR,FLT, .12X .31X.04THK,STL 6–11
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WSHR,FLT, .12X .31X.04THK,STL 6–14
WSHR,FLT, .12X .31X.04THK,STL 6–7
WSHR,FLT, .12X .31X.04THK,STL 6–8
WSHR,FLT, .12X .31X.04THK,STL 6–9
WSHR,FLT, .16X .31X.03THK,SST 2–7
WSHR,FLT, .19 NOM ID,SST 10–11
WSHR,FLT, .19 NOM ID,SST 10–6
WSHR,FLT, .19X .44X.047THK,STL 2–7
WSHR,FLT, .19X .56X.04THK,STL 6–12
WSHR,FLT, .19X .56X.04THK,STL 6–13
WSHR,FLT, .19X .56X.04THK,STL 6–14
WSHR,FLT, .19X .56X.04THK,STL 6–8
WSHR,FLT, .25 NOM ID,SST 10–6
WSHR,FLT, .25 NOM ID,SST 5–2
WSHR,FLT, .26X .50X.06THK,SST 5–8
WSHR,FLT, .26X .59X.06THK,STL 6–10
WSHR,FLT, .26X .59X.06THK,STL 6–11
WSHR,FLT, .26X .59X.06THK,STL 6–12
WSHR,FLT, .26X .59X.06THK,STL 6–13
WSHR,FLT, .26X .59X.06THK,STL 6–14
WSHR,FLT, .26X .59X.06THK,STL 6–7
WSHR,FLT, .26X .59X.06THK,STL 6–8
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WSHR,FLT, .26X .59X.06THK,STL 7–14
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WSHR,FLT, .26X .75X.02THK,STL 2–7
WSHR,FLT, .26X .75X.02THK,STL 4–24
WSHR,FLT, .26X .75X.02THK,STL 4–28
WSHR,FLT, .26X .75X.02THK,STL 5–4
WSHR,FLT, .27X .62X.06THK,SST 7–16
WSHR,FLT, .27X .62X.06THK,SST 7–8
WSHR,FLT, .27X .62X.06THK,SST 7–8
WSHR,FLT, .27X .62X.06THK,SST" 7–16
WSHR,FLT, .31 NOM ID,STL,CAD 2–3
WSHR,FLT, .31 NOM ID,STL,CAD 2–4
WSHR,FLT, .31 NOM ID,STL,CAD 7–16
WSHR,FLT, .31 NOM ID,STL,CAD 7–8
WSHR,FLT, .31 NOM ID,STL,CAD 7–8
WSHR,FLT, .31 NOM ID,STL,CAD" 7–16
WSHR,FLT, .31X .75X.06THK,ZNC 10–6
WSHR,FLT, .31X .75X.06THK,ZNC 4–11
WSHR,FLT, .31X .75X.06THK,ZNC 4–17
WSHR,FLT, .31X .75X.06THK,ZNC 4–21
WSHR,FLT, .31X .75X.06THK,ZNC 4–7
WSHR,FLT, .34X .69X.08THK,SST 10–5
WSHR,FLT, .39X .62X.03THK,STL 4–14
WSHR,FLT, .39X .62X.03THK,STL 4–19
WSHR,FLT, .39X .62X.03THK,STL 4–4
WSHR,FLT, .39X .62X.03THK,STL 4–9
WSHR,FLT, .44X .88X.09THK,SST 1–3
WSHR,FLT, .44X .88X.09THK,SST 1–4
WSHR,FLT, .44X1.00X.09THK,ZNC 4–11
WSHR,FLT, .44X1.00X.09THK,ZNC 4–17
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WSHR,FLT, .44X1.00X.09THK,ZNC 4–7
WSHR,FLT, .44X1.00X.09THK,ZNC 7–14
WSHR,FLT, .44X1.00X.09THK,ZNC 7–6
WSHR,FLT, .52X1.13X.06THK,SST 10–5
WSHR,FLT, .52X1.13X.06THK,SST 4–17
WSHR,FLT, .52X1.13X.06THK,SST 4–7
WSHR,FLT, .56X1.38X.09THK,ZNC 4–10
WSHR,FLT, .56X1.38X.09THK,ZNC 4–19
WSHR,FLT, 7/16ODx.203IDx.032TH 2–7
WSHR,FLT, 7/16ODx.203IDx.032TH 4–17
WSHR,FLT, 7/16ODx.203IDx.032TH 4–8
WSHR,FLT,1.06X2.00X.06THK,SST 4–10
WSHR,FLT,1.06X2.00X.06THK,SST 4–16
WSHR,FLT,1.06X2.00X.06THK,SST 4–20
WSHR,FLT,1.06X2.00X.06THK,SST" 4–6
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WSHR,FNSH, .25 FLT HD,NYL 6–3
WSHR,FNSH, .25 FLT HD,NYL 6–4
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WSHR,LOCK,EX, .14X .29X.02,SST 8–3
WSHR,LOCK,EX, .14X .29X.02,SST 8–3
WSHR,LOCK,EX, .31X .61X.03,SST 10–5
WSHR,LOCK,EXT, .14ND,STL 6–10
WSHR,LOCK,EXT, .14ND,STL 6–11
WSHR,LOCK,EXT, .14ND,STL 6–12
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WSHR,LOCK,EXT, .14ND,STL 6–7
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WSHR,LOCK,INT, .50ND,STL,CAD 4–15
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WSHR,LOCK,SPR, .14ND,SST 5–19
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WSHR,LOCK,SPR, .14ND,STL,CAD 6–12
WSHR,LOCK,SPR, .14ND,STL,CAD 6–13
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WSHR,LOCK,SPR, .14ND,STL,CAD 6–7
WSHR,LOCK,SPR, .14ND,STL,CAD 6–8
WSHR,LOCK,SPR, .14ND,STL,CAD 6–9
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WSHR,LOCK,SPR, .19ND,STL,CAD 4–15
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WSHR,LOCK,SPR, .25ND,SST 3–3
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WSHR,LOCK,SPR, .25ND,STL,CAD 4–21
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WSHR,LOCK,SPR, .25ND,STL,CAD 6–10
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WSHR,LOCK,SPR, .25ND,STL,CAD 6–12
WSHR,LOCK,SPR, .25ND,STL,CAD 6–13
WSHR,LOCK,SPR, .25ND,STL,CAD 6–14
WSHR,LOCK,SPR, .25ND,STL,CAD 6–7
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